Name	OJ990405_10.9819.C12.o2.gp	Method	AAT/GAP
Start	2874	End	3738
GI	16049_1.R1084	Score	1250
Exons	2874..3390, 3470..3597, 3687..3738		
GI Descrip.	'4490317/emb|CAB38808.1| 3.0e-16 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45265	Strand	-
Start	3223	End	7484
Name	OJ990405_10.9819.C12.o2.gs	Method	GENSCAN
Start	3223	End	7484
GI	none	Score	.82
Exons	3223..3390, 3470..3598, 3687..3830, 3944..4113, 5255..5342, 5949..5993, 6833..7233, 7268..7484		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45265	Strand	-
Start	3223	End	7484
Name	OJ990405_10.9819.C12.o2.np	Method	AAT/NAP
Start	3251	End	6988
GI	4490317	Score	468
Exons	3251..3390, 3470..3598, 3687..3830, 3944..4113, 5255..5361, 6803..6988		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	141	End	2171
GI	none	Score	322
Exons	141..371, 141..212, 305..373, 415..552, 477..557, 477..593, 478..594, 686..874, 688..873, 1270..1461, 1272..1454, 1565..1633, 1576..1632, 2049..2132, 2052..2138, 2053..2139, 2139..2171, 2140..2169		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	150	End	2172
GI	none	Score	325
Exons	150..212, 156..371, 305..373, 477..590, 478..594, 686..874, 688..873, 1270..1455, 1272..1454, 1567..1632, 1568..1633, 2052..2138, 2053..2139, 2053..2139, 2119..2172, 2139..2171		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	150	End	2142
GI	none	Score	326
Exons	150..212, 156..371, 203..232, 305..370, 477..593, 478..594, 686..874, 688..873, 1270..1461, 1272..1454, 1423..1461, 1565..1633, 1566..1631, 1579..1632, 2052..2138, 2053..2139, 2071..2142		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	734	End	1633
GI	none	Score	213
Exons	734..874, 736..873, 1270..1461, 1271..1366, 1272..1454, 1423..1461, 1565..1633, 1567..1602		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	3238	End	6955
GI	none	Score	199
Exons	3238..3390, 3242..3391, 3465..3590, 3470..3601, 3473..3601, 3687..3821, 3688..3828, 3688..3828, 3939..4073, 3943..4116, 3944..4141, 3944..4114, 5251..5346, 5254..5343, 5255..5344, 5529..5657, 5537..5656, 5563..5658, 5582..5668, 5932..6012, 5934..5993, 6881..6955		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	3238	End	3595
GI	none	Score	147
Exons	3238..3393, 3242..3391, 3250..3402, 3473..3595, 3474..3569, 3515..3595		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	3705	End	5641
GI	none	Score	93
Exons	3705..3833, 3705..3824, 3728..3829, 3939..4034, 3941..4114, 5251..5343, 5253..5345, 5256..5345, 5579..5641		

Seq. No.	21700	Seq. ID	OJ990405_10.9819.C12
Gene No.	45266	Strand	-
Start	7415	End	7568
Name	OJ990405_10.9819.C12.o3.gp	Method	AAT/GAP
Start	7415	End	7568
GI	none	Score	269
Exons	7415..7568		

Seq. No.	21701	Seq. ID	OJ990405_10.9819.C13
Gene No.	45267	Strand	+
Start	93	End	230
Name	OJ990405_10.9819.C13.o1.gp	Method	AAT/GAP
Start	93	End	230
GI	533_1.R1084	Score	204
Exons	93..230		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein		

3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'

Seq. No.	21701	Seq. ID	OJ990405_10.9819.C13
Gene No.	45268	Strand	-
Start	1553	End	3399
Name	OJ990405_10.9819.C13.o1.gs	Method	GENSCAN
Start	1553	End	3399
GI	none	Score	.43
Exons	1553..1694, 3042..3096, 3348..3399		

Seq. No.	21702	Seq. ID	OJ990405_10.9819.C14
Gene No.	45269	Strand	+
Start	104	End	1214
Name	OJ990405_10.9819.C14.o1.gs	Method	GENSCAN
Start	104	End	1214
GI	none	Score	.81
Exons	104..288, 898..1214		

Seq. No.	21702	Seq. ID	OJ990405_10.9819.C14
Gene No.	45270	Strand	-
Start	2793	End	6953
Name	OJ990405_10.9819.C14.o2.gs	Method	GENSCAN
Start	2793	End	5824
GI	none	Score	.63
Exons	2793..2837, 3200..3330, 3968..4180, 4973..5099, 5206..5421, 5535..5824		

Seq. No.	21702	Seq. ID	OJ990405_10.9819.C14
Gene No.	45270	Strand	-
Start	2793	End	6953
Name	OJ990405_10.9819.C14.o1.np	Method	AAT/NAP
Start	3501	End	6953
GI	4586112	Score	450
Exons	3501..3528, 4794..5099, 5206..5411, 5531..5785, 6908..6953		
GI Descrip.	(AL049638) putative protein [Arabidopsis thaliana]		

Seq. No.	21702	Seq. ID	OJ990405_10.9819.C14
Gene No.	45270	Strand	-
Start	2793	End	6953
Name	OJ990405_10.9819.C14.o1.gp	Method	AAT/GAP
Start	4770	End	5336
GI	63580_1.R1084	Score	823
Exons	4770..5099, 5206..5336		
GI Descrip.	'4586112/emb|CAB40948.1| 2.0e-37 (AL049638) putative protein [Arabidopsis thaliana]'		

Seq. No.	21702	Seq. ID	OJ990405_10.9819.C14
Gene No.	45270	Strand	-
Start	2793	End	6953
Name	OJ990405_10.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	4937	End	5350
GI	none	Score	55
Exons	4937..4990, 4937..5014, 4945..5094, 5016..5102, 5032..5100, 5205..5345, 5206..5346, 5213..5350		

Seq. No.	21702	Seq. ID	OJ990405_10.9819.C14

Gene No.	45270	Strand	-
Start	2793	End	6953
Name	OJ990405_10.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	4958	End	5666
GI	none	Score	103
Exons	4958..5008, 5019..5102, 5206..5346, 5207..5350, 5329..5409, 5532..5666		

Seq. No.	21703	Seq. ID	OJ990405_10.9819.C15
Gene No.	45271	Strand	+
Start	131	End	466
Name	OJ990405_10.9819.C15.o1.gs	Method	GENSCAN
Start	131	End	466
GI	none	Score	.56
Exons	131..466		

Seq. No.	21704	Seq. ID	OJ990405_10.9819.C18
Gene No.	45272	Strand	+
Start	1309	End	4522
Name	OJ990405_10.9819.C18.o1.np	Method	AAT/NAP
Start	1309	End	4350
GI	3094014	Score	200
Exons	1309..1374, 1557..1651, 2551..2659, 4264..4350		
GI Descrip.	(AF060862) unknown [Homo sapiens]		

Seq. No.	21704	Seq. ID	OJ990405_10.9819.C18
Gene No.	45272	Strand	+
Start	1309	End	4522
Name	OJ990405_10.9819.C18.o2.gs	Method	GENSCAN
Start	1485	End	4522
GI	none	Score	.84
Exons	1485..1688, 1705..2015, 2551..2659, 4035..4104, 4264..4382, 4400..4522		

Seq. No.	21704	Seq. ID	OJ990405_10.9819.C18
Gene No.	45272	Strand	+
Start	1309	End	4522
Name	OJ990405_10.9819.C18.o1.gp	Method	AAT/GAP
Start	2551	End	2663
GI	none	Score	174
Exons	2551..2663		

Seq. No.	21704	Seq. ID	OJ990405_10.9819.C18
Gene No.	45273	Strand	+
Start	5870	End	6298
Name	OJ990405_10.9819.C18.o3.gp	Method	AAT/GAP
Start	5870	End	6298
GI	none	Score	808
Exons	5870..6298		

Seq. No.	21704	Seq. ID	OJ990405_10.9819.C18
Gene No.	45274	Strand	-
Start	179	End	818
Name	OJ990405_10.9819.C18.o1.gs	Method	GENSCAN
Start	179	End	818
GI	none	Score	.92
Exons	179..588, 665..818		

Seq. No.	21704	Seq. ID	OJ990405_10.9819.C18
Gene No.	45275	Strand	-
Start	4268	End	4676
Name	OJ990405_10.9819.C18.o2.gp	Method	AAT/GAP
Start	4268	End	4676
GI	none	Score	739
Exons	4268..4676		

Seq. No.	21704	Seq. ID	OJ990405_10.9819.C18
Gene No.	45276	Strand	-
Start	4941	End	12118
Name	OJ990405_10.9819.C18.o3.gs	Method	GENSCAN
Start	4941	End	12118
GI	none	Score	.51
Exons	4941..5060, 5152..5309, 6146..6307, 6388..6930, 6977..7508, 8377..8568, 10532..10673, 11112..11158, 12013..12118		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45277	Strand	+
Start	60	End	9591
Name	OJ990405_10.9819.C19.o1.np	Method	AAT/NAP
Start	60	End	2797
GI	5734621	Score	155
Exons	60..285, 397..447, 2744..2797		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45277	Strand	+
Start	60	End	9591
Name	OJ990405_10.9819.C19.o1.gs	Method	GENSCAN
Start	1910	End	9591
GI	none	Score	.68
Exons	1910..1920, 3256..3365, 3634..3704, 3730..3778, 4412..4525, 4617..5367, 5450..5693, 5783..6247, 6544..6677, 8561..8685, 8894..9089, 9321..9591		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45277	Strand	+
Start	60	End	9591
Name	OJ990405_10.9819.C19.o1.gp	Method	AAT/GAP
Start	3260	End	4487
GI	uC-osf1cyp033e07b1	Score	840
Exons	3260..3365, 3634..3778, 4193..4283, 4372..4487		
GI Descrip.	'3047084 3.0e-58 (AF058914) similar to aminoacyl-tRNA synthetases [Arabidopsis thaliana]'		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45277	Strand	+
Start	60	End	9591
Name	OJ990405_10.9819.C19.o2.np	Method	AAT/NAP
Start	3642	End	6759
GI	6815089	Score	2981
Exons	3642..3778, 4193..4283, 4372..4525, 4617..5693, 5783..6247, 6544..6759		

GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		
Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45277	Strand	+
Start	60	End	9591
Name	OJ990405_10.9819.C19.o2.gp	Method	AAT/GAP
Start	5544	End	6076
GI	4968606	Score	831
Exons	5544..5693, 5783..6076		
GI Descrip.	3047084 3.0e-58 (AF058914) similar to aminoacyl-tRNA synthetases [Arabidopsis thaliana]		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45278	Strand	-
Start	3414	End	12513
Name	OJ990405_10.9819.C19.o3.np	Method	AAT/NAP
Start	3414	End	12513
GI	5430752	Score	87
Exons	3414..3616, 9952..10142, 11459..11582, 12430..12513		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45278	Strand	-
Start	3414	End	12513
Name	OJ990405_10.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	3651	End	6741
GI	none	Score	88
Exons	3651..3779, 4369..4527, 4374..4526, 4603..4800, 4604..4783, 4793..5425, 4813..5427, 5393..5692, 5400..5684, 5435..5695, 5773..5982, 5774..5992, 5947..6099, 5975..6091, 6088..6249, 6092..6250, 6541..6741, 6567..6737		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45278	Strand	-
Start	3414	End	12513
Name	OJ990405_10.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	3657	End	6765
GI	none	Score	107
Exons	3657..3779, 4369..4527, 4374..4526, 4604..4786, 4609..4755, 4790..5425, 4815..5414, 4816..5427, 5400..5684, 5420..5692, 5435..5695, 5776..6114, 5780..6100, 6083..6235, 6092..6250, 6103..6249, 6541..6765, 6561..6758		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45278	Strand	-
Start	3414	End	12513
Name	OJ990405_10.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	4458	End	5131
GI	none	Score	105
Exons	4458..4526, 4459..4527, 4587..4721, 4590..5027, 4603..5037, 4604..5038, 4977..5099, 4984..5124, 5018..5131, 5027..5131		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45278	Strand	-
Start	3414	End	12513
Name	OJ990405_10.9819.C19.o3.tm	Method	TBLASTX:Maize

Start	5165	End	5416
GI	none	Score	430
Exons	5165..5416, 5170..5415		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45278	Strand	-
Start	3414	End	12513
Name	OJ990405_10.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	5417	End	6807
GI	none	Score	459
Exons	5417..5692, 5418..5684, 5420..5695, 5774..6250, 5780..6238, 5782..6249, 6538..6762, 6541..6807, 6542..6772, 6561..6782		

Seq. No.	21705	Seq. ID	OJ990405_10.9819.C19
Gene No.	45278	Strand	-
Start	3414	End	12513
Name	OJ990405_10.9819.C19.o3.gp	Method	AAT/GAP
Start	6640	End	7018
GI	none	Score	730
Exons	6640..7018		

Seq. No.	21706	Seq. ID	OJ990405_10.9819.C20
Gene No.	45279	Strand	+
Start	79	End	1927
Name	OJ990405_10.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	74	End	1595
GI	none	Score	230
Exons	74..484, 74..448, 98..445, 152..235, 290..508, 500..1069, 515..1090, 710..1096, 854..1045, 911..1105, 1061..1354, 1092..1568, 1098..1400, 1098..1478, 1122..1580, 1227..1592, 1236..1595		

Seq. No.	21706	Seq. ID	OJ990405_10.9819.C20
Gene No.	45279	Strand	+
Start	79	End	1927
Name	OJ990405_10.9819.C20.o1.gs	Method	GENSCAN
Start	79	End	1927
GI	none	Score	.79
Exons	79..355, 440..1077, 1145..1289, 1843..1927		

Seq. No.	21706	Seq. ID	OJ990405_10.9819.C20
Gene No.	45279	Strand	+
Start	79	End	1927
Name	OJ990405_10.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	83	End	1595
GI	none	Score	137
Exons	83..442, 89..358, 149..376, 197..511, 260..469, 353..481, 479..748, 487..732, 503..661, 503..847, 563..754, 604..807, 605..952, 656..1057, 665..889, 767..982, 830..1096, 831..962, 860..1090, 872..1096, 1095..1376, 1104..1310, 1106..1378, 1134..1475, 1188..1385, 1221..1589, 1229..1522, 1257..1508, 1287..1595, 1307..1507, 1413..1595, 1439..1576		

Seq. No.	21706	Seq. ID	OJ990405_10.9819.C20
Gene No.	45279	Strand	+
Start	79	End	1927
Name	OJ990405_10.9819.C20.o1.ts	Method	TBLASTX:Soybean

Start	92	End	1580
GI	none	Score	150
Exons	92..388, 155..481, 251..493, 461..691, 497..796, 554..901, 583..720, 664..984, 665..1006, 791..1093, 878..1096, 1092..1217, 1098..1322, 1098..1376, 1107..1415, 1121..1303, 1194..1520, 1299..1556, 1401..1580		

Seq. No.	21707	Seq. ID	OJ990405_10.9819.C23
Gene No.	45280	Strand	+
Start	70	End	1253
Name	OJ990405_10.9819.C23.o1.np	Method	AAT/NAP
Start	70	End	1253
GI	5042439	Score	404
Exons	70..292, 786..834, 913..1253		
GI Descrip.	(AC007789) putative DNA-binding protein [Oryza sativa]		

Seq. No.	21708	Seq. ID	OJ990405_10.9819.C24
Gene No.	45281	Strand	+
Start	238	End	1491
Name	OJ990405_10.9819.C24.o1.gs	Method	GENSCAN
Start	238	End	1491
GI	none	Score	.68
Exons	238..250, 549..727, 1276..1491		

Seq. No.	21709	Seq. ID	OJ990415_10.9819.C1
Gene No.	45282	Strand	+
Start	247	End	490
Name	OJ990415_10.9819.C1.o1.gs	Method	GENSCAN
Start	247	End	490
GI	none	Score	.65
Exons	247..490		

Seq. No.	21709	Seq. ID	OJ990415_10.9819.C1
Gene No.	45283	Strand	-
Start	270	End	770
Name	OJ990415_10.9819.C1.o1.np	Method	AAT/NAP
Start	270	End	770
GI	5852180	Score	271
Exons	270..644, 691..770		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	21710	Seq. ID	OJ990415_10.9819.C2
Gene No.	45284	Strand	-
Start	275	End	449
Name	OJ990415_10.9819.C2.o1.gs	Method	GENSCAN
Start	275	End	449
GI	none	Score	.48
Exons	275..449		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45285	Strand	+
Start	2867	End	2984
Name	OJ990415_10.9819.C4.o2.np	Method	AAT/NAP
Start	2867	End	2984
GI	6721512	Score	57
Exons	2867..2984		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45286	Strand	+
Start	3048	End	7977
Name	OJ990415_10.9819.C4.o2.gs	Method	GENSCAN
Start	3048	End	6812
GI	none	Score	.74
Exons	3048..3132, 3332..3395, 3429..3504, 3768..3979, 4076..4267, 4320..4534, 4615..4739, 4851..5024, 5058..5116, 5187..5819, 6064..6209, 6295..6812		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45286	Strand	+
Start	3048	End	7977
Name	OJ990415_10.9819.C4.o3.np	Method	AAT/NAP
Start	3787	End	7977
GI	6907089	Score	261
Exons	3787..4521, 6774..6840, 7920..7977		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45286	Strand	+
Start	3048	End	7977
Name	OJ990415_10.9819.C4.o4.np	Method	AAT/NAP
Start	3902	End	5948
GI	6721561	Score	984
Exons	3902..3970, 4806..4985, 5058..5116, 5187..5948		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45287	Strand	+
Start	13375	End	14051
Name	OJ990415_10.9819.C4.o7.np	Method	AAT/NAP
Start	13375	End	14051
GI	6721512	Score	59
Exons	13375..13502, 14019..14051		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45288	Strand	-
Start	92	End	2937
Name	OJ990415_10.9819.C4.o1.np	Method	AAT/NAP
Start	92	End	1819
GI	6056425	Score	739
Exons	92..184, 328..641, 721..843, 1708..1819		
GI Descrip.	(AC009525) Putative ribosomal protein L19 [Arabidopsis thaliana]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45288	Strand	-
Start	92	End	2937
Name	OJ990415_10.9819.C4.o1.gp	Method	AAT/GAP
Start	328	End	1852
GI	5667274	Score	997

Exons	328..641, 721..843, 1708..1852		
GI Descrip.	6056425/gb|AAF02889.1|AC009525_23 3.0e-64 (AC009525) Putative ribosomal protein L19 [Arabidopsis thaliana]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45288	Strand	-
Start	92	End	2937
Name	OJ990415_10.9819.C4.o1.gs	Method	GENSCAN
Start	328	End	2937
GI	none	Score	.87
Exons	328..641, 721..843, 1708..1845, 2094..2187, 2845..2937		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	300	End	1820
GI	none	Score	389
Exons	300..641, 326..640, 328..642, 401..643, 699..839, 718..840, 719..841, 719..841, 1700..1819, 1701..1820		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	315	End	1832
GI	none	Score	398
Exons	315..641, 326..640, 328..642, 401..643, 699..839, 715..801, 718..840, 719..841, 720..842, 1696..1746, 1700..1831, 1701..1832		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	328	End	1989
GI	none	Score	195
Exons	328..642, 375..539, 401..643, 719..871, 720..839, 1700..1825, 1701..1829, 1933..1989		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	328	End	1820
GI	none	Score	231
Exons	328..642, 375..641, 401..643, 699..839, 719..841, 720..842, 1700..1819, 1701..1820		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o5.np	Method	AAT/NAP
Start	7430	End	10549
GI	5902445	Score	3092
Exons	7430..8671, 8711..10549		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	7439	End	8047
GI	none	Score	68
Exons	7439..7570, 7452..7565, 7595..8047, 7791..7898, 7947..8033		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	8171	End	8554
GI	none	Score	202
Exons	8171..8554, 8172..8546		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	8249	End	8554
GI	none	Score	182
Exons	8249..8554, 8250..8537		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o8.tw	Method	TBLASTX:Wheat
Start	8759	End	9013
GI	none	Score	75
Exons	8759..9013, 8763..9011		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	9056	End	9464
GI	none	Score	49
Exons	9056..9121, 9056..9229, 9237..9464, 9239..9463		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	9554	End	9979
GI	none	Score	71
Exons	9554..9979, 9795..9947		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o6.np	Method	AAT/NAP
Start	9588	End	14051
GI	5902444	Score	473
Exons	9588..9668, 10951..11995, 12297..12387, 12568..12654, 14012..14051		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	9609	End	10033
GI	none	Score	270
Exons	9609..9986, 9611..10033, 9644..9988, 9892..9993		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	9707	End	10090
GI	none	Score	124
Exons	9707..10090, 9708..9986, 9874..10056		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	10118	End	10474
GI	none	Score	234
Exons	10118..10474, 10119..10433		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	10148	End	10603
GI	none	Score	352
Exons	10148..10600, 10149..10589, 10163..10603		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	10199	End	10564
GI	none	Score	97
Exons	10199..10333, 10340..10564		

Seq. No.	21711	Seq. ID	OJ990415_10.9819.C4
Gene No.	45289	Strand	-
Start	7430	End	14051
Name	OJ990415_10.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	11518	End	11916
GI	none	Score	250
Exons	11518..11916		

Seq. No.	21712	Seq. ID	OJ990415_10.9819.C5
Gene No.	45290	Strand	+
Start	293	End	2505
Name	OJ990415_10.9819.C5.o1.np	Method	AAT/NAP
Start	293	End	2502
GI	5922620	Score	542
Exons	293..503, 617..972, 2362..2502		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	21712	Seq. ID	OJ990415_10.9819.C5
Gene No.	45290	Strand	+
Start	293	End	2505
Name	OJ990415_10.9819.C5.o1.gs	Method	GENSCAN
Start	756	End	2505
GI	none	Score	.57
Exons	756..935, 2162..2370, 2391..2505		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45291	Strand	+
Start	169	End	258
Name	OJ990415_10.9819.C6.o1.gs	Method	GENSCAN
Start	169	End	258
GI	none	Score	.84
Exons	169..258		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45292	Strand	+
Start	1372	End	2730
Name	OJ990415_10.9819.C6.o2.gs	Method	GENSCAN
Start	1372	End	2730
GI	none	Score	.4
Exons	1372..1579, 2357..2730		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45293	Strand	+
Start	3607	End	10116
Name	OJ990415_10.9819.C6.o3.gs	Method	GENSCAN
Start	3607	End	10107
GI	none	Score	.72
Exons	3607..3907, 7409..7662, 9206..9455, 9887..10107		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45293	Strand	+
Start	3607	End	10116
Name	OJ990415_10.9819.C6.o1.np	Method	AAT/NAP
Start	3616	End	10116
GI	4218120	Score	300
Exons	3616..3878, 6760..6916, 7470..7658, 9206..9455, 9887..10116		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45294	Strand	+
Start	10940	End	15080
Name	OJ990415_10.9819.C6.o4.gs	Method	GENSCAN
Start	10940	End	15080
GI	none	Score	.75
Exons	10940..11707, 11769..11987, 12942..13222, 13778..14520, 14623..15080		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45295	Strand	+

Start	15910	End	17019
Name	OJ990415_10.9819.C6.o5.gs	Method	GENSCAN
Start	15910	End	17019
GI	none	Score	.88
Exons	15910..15954, 16378..16503, 16879..17019		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45296	Strand	-
Start	17272	End	22948
Name	OJ990415_10.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	1411	End	9457
GI	none	Score	191
Exons	1411..1584, 3697..3870, 3714..3872, 6749..6781, 6803..6847, 9209..9295, 9374..9457		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45296	Strand	-
Start	17272	End	22948
Name	OJ990415_10.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1420	End	3876
GI	none	Score	189
Exons	1420..1590, 3702..3866, 3703..3876		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45296	Strand	-
Start	17272	End	22948
Name	OJ990415_10.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	14283	End	14696
GI	none	Score	150
Exons	14283..14531, 14622..14696		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45296	Strand	-
Start	17272	End	22948
Name	OJ990415_10.9819.C6.o6.gs	Method	GENSCAN
Start	17272	End	22948
GI	none	Score	.65
Exons	17272..17520, 17562..17653, 17746..17859, 18016..18101, 18160..18284, 18598..18750, 19198..19244, 20365..20521, 22877..22948		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45296	Strand	-
Start	17272	End	22948
Name	OJ990415_10.9819.C6.o4.np	Method	AAT/NAP
Start	17542	End	20705
GI	4539658	Score	127
Exons	17542..17604, 20365..20559, 20617..20705		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	21713	Seq. ID	OJ990415_10.9819.C6
Gene No.	45296	Strand	-
Start	17272	End	22948
Name	OJ990415_10.9819.C6.o3.np	Method	AAT/NAP
Start	17695	End	20709
GI	4539658	Score	128

Exons	17695..17725, 20358..20559, 20617..20709		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	21714	Seq. ID	OJ990415_10.9819.C7
Gene No.	45297	Strand	+
Start	52	End	1039
Name	OJ990415_10.9819.C7.o1.gs	Method	GENSCAN
Start	52	End	1039
GI	none	Score	.94
Exons	52..162, 496..686, 779..870, 915..1039		

Seq. No.	21714	Seq. ID	OJ990415_10.9819.C7
Gene No.	45298	Strand	+
Start	10033	End	11369
Name	OJ990415_10.9819.C7.o2.np	Method	AAT/NAP
Start	10033	End	11369
GI	4914384	Score	150
Exons	10033..10108, 10719..10932, 11342..11369		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	21714	Seq. ID	OJ990415_10.9819.C7
Gene No.	45298	Strand	+
Start	10033	End	11369
Name	OJ990415_10.9819.C7.o1.gp	Method	AAT/GAP
Start	10532	End	10968
GI	13677_1.R1084	Score	722
Exons	10532..10968		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	21714	Seq. ID	OJ990415_10.9819.C7
Gene No.	45298	Strand	+
Start	10033	End	11369
Name	OJ990415_10.9819.C7.o3.gs	Method	GENSCAN
Start	10673	End	10922
GI	none	Score	1
Exons	10673..10922		

Seq. No.	21714	Seq. ID	OJ990415_10.9819.C7
Gene No.	45299	Strand	-
Start	1898	End	2669
Name	OJ990415_10.9819.C7.o1.np	Method	AAT/NAP
Start	1898	End	2669
GI	4680183	Score	197
Exons	1898..1989, 2601..2669		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	21714	Seq. ID	OJ990415_10.9819.C7
Gene No.	45300	Strand	-
Start	4022	End	9954
Name	OJ990415_10.9819.C7.o2.gs	Method	GENSCAN
Start	4022	End	9954
GI	none	Score	.72
Exons	4022..4080, 6004..6093, 9220..9241, 9952..9954		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45301	Strand	+
Start	1118	End	6224
Name	OJ990415_10.9819.C8.o1.gs	Method	GENSCAN
Start	1118	End	6195
GI	none	Score	.85
Exons	1118..1153, 3203..3290, 4123..4203, 5017..5141, 5388..5624, 5725..6195		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45301	Strand	+
Start	1118	End	6224
Name	OJ990415_10.9819.C8.o1.np	Method	AAT/NAP
Start	5017	End	6224
GI	6539248	Score	267
Exons	5017..5161, 5402..5626, 5727..6224		
GI Descrip.	(AC011765) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45301	Strand	+
Start	1118	End	6224
Name	OJ990415_10.9819.C8.o1.gp	Method	AAT/GAP
Start	5017	End	5069
GI	13677_1.R1084	Score	83
Exons	5017..5069		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45301	Strand	+
Start	1118	End	6224
Name	OJ990415_10.9819.C8.o2.gp	Method	AAT/GAP
Start	5506	End	5828
GI	LIB3434-045-P1-K1-H11	Score	319
Exons	5506..5624, 5725..5828		
GI Descrip.	'2062705/gb|U90552|HSU90552 3.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45302	Strand	+
Start	16224	End	16534
Name	OJ990415_10.9819.C8.o3.gp	Method	AAT/GAP
Start	16224	End	16534
GI	72524_1.R1084	Score	410
Exons	16224..16534		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45303	Strand	-
Start	6782	End	13248
Name	OJ990415_10.9819.C8.o2.gs	Method	GENSCAN
Start	6782	End	13248
GI	none	Score	.61
Exons	6782..7311, 7875..7996, 9557..9723, 9868..10150, 10310..12675, 13030..13248		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45303	Strand	-
Start	6782	End	13248
Name	OJ990415_10.9819.C8.o2.np	Method	AAT/NAP
Start	11872	End	12384
GI	5305469	Score	886
Exons	11872..12384		
GI Descrip.	(AF074894) resistance protein [Oryza sativa]		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45304	Strand	-
Start	15298	End	16600
Name	OJ990415_10.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	5719	End	6188
GI	none	Score	76
Exons	5719..5823, 5905..6186, 5919..6188		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45304	Strand	-
Start	15298	End	16600
Name	OJ990415_10.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	5719	End	6123
GI	none	Score	92
Exons	5719..5808, 5727..5792, 5815..6123		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45304	Strand	-
Start	15298	End	16600
Name	OJ990415_10.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	10930	End	11910
GI	none	Score	42
Exons	10930..11064, 11083..11250, 11410..11526, 11632..11910, 11687..11737, 11792..11908		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45304	Strand	-
Start	15298	End	16600
Name	OJ990415_10.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	11065	End	12406
GI	none	Score	68
Exons	11065..11196, 11635..11760, 11806..11940, 11807..11926, 11959..12030, 12046..12132, 12139..12204, 12289..12405, 12359..12406		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45304	Strand	-
Start	15298	End	16600
Name	OJ990415_10.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	11479	End	12018
GI	none	Score	70
Exons	11479..11523, 11542..12018, 11798..11917		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45304	Strand	-
Start	15298	End	16600
Name	OJ990415_10.9819.C8.o3.gs	Method	GENSCAN
Start	15298	End	16143

GI	none	Score	.79
Exons	15298..15623, 15638..15910, 15961..16143		

Seq. No.	21715	Seq. ID	OJ990415_10.9819.C8
Gene No.	45304	Strand	-
Start	15298	End	16600
Name	OJ990415_10.9819.C8.o3.np	Method	AAT/NAP
Start	15386	End	16600
GI	5823020	Score	101
Exons	15386..15792, 16479..16600		
GI Descrip.	(AF089849) senescence-specific cysteine protease [Brassica napus]		

Seq. No.	21716	Seq. ID	OJ990415_10.9819.C9
Gene No.	45305	Strand	+
Start	83	End	152
Name	OJ990415_10.9819.C9.o1.gp	Method	AAT/GAP
Start	83	End	152
GI	5816518	Score	87
Exons	83..152		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	21716	Seq. ID	OJ990415_10.9819.C9
Gene No.	45306	Strand	+
Start	1848	End	1992
Name	OJ990415_10.9819.C9.o1.gs	Method	GENSCAN
Start	1848	End	1992
GI	none	Score	.45
Exons	1848..1977, 1982..1992		

Seq. No.	21716	Seq. ID	OJ990415_10.9819.C9
Gene No.	45307	Strand	+
Start	8952	End	9018
Name	OJ990415_10.9819.C9.o3.gp	Method	AAT/GAP
Start	8952	End	9018
GI	uC-osroM202024h08a1	Score	95
Exons	8952..9018		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	21716	Seq. ID	OJ990415_10.9819.C9
Gene No.	45308	Strand	-
Start	1355	End	10093
Name	OJ990415_10.9819.C9.o1.np	Method	AAT/NAP
Start	1355	End	10005
GI	5091513	Score	1465
Exons	1355..1426, 1474..1887, 1940..2066, 2758..3703, 4459..5017, 9365..9528, 9820..10005		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	21716	Seq. ID	OJ990415_10.9819.C9
Gene No.	45308	Strand	-
Start	1355	End	10093
Name	OJ990415_10.9819.C9.o2.gs	Method	GENSCAN
Start	2787	End	10093
GI	none	Score	.58

Exons	2787..3729, 4521..4896, 5081..5207, 6501..6622, 9342..9585, 9950..10093		
Seq. No.	21717	Seq. ID	OJ990415_10.9819.C10
Gene No.	45309	Strand	-
Start	1188	End	2894
Name	OJ990415_10.9819.C10.o1.gs	Method	GENSCAN
Start	1188	End	2894
GI	none	Score	.52
Exons	1188..1314, 1359..1449, 1542..1664, 1936..2099, 2803..2894		
Seq. No.	21718	Seq. ID	OJ990415_10.9819.C11
Gene No.	45310	Strand	-
Start	1	End	747
Name	OJ990415_10.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	747
GI	136140	Score	272
Exons	1..747		
GI Descrip.	PUTATIVE AC9 TRANSPOSASE gi|72973|pir||TQZMCA probable transposase - maize transposon Ac9		
Seq. No.	21718	Seq. ID	OJ990415_10.9819.C11
Gene No.	45310	Strand	-
Start	1	End	747
Name	OJ990415_10.9819.C11.o1.gs	Method	GENSCAN
Start	354	End	592
GI	none	Score	.45
Exons	354..494, 578..592		
Seq. No.	21719	Seq. ID	OJ990415_10.9819.C12
Gene No.	45311	Strand	-
Start	432	End	514
Name	OJ990415_10.9819.C12.o1.gs	Method	GENSCAN
Start	432	End	514
GI	none	Score	.83
Exons	432..514		
Seq. No.	21720	Seq. ID	OJ990415_10.9819.C18
Gene No.	45312	Strand	+
Start	123	End	869
Name	OJ990415_10.9819.C18.o1.gs	Method	GENSCAN
Start	123	End	869
GI	none	Score	.66
Exons	123..258, 440..540, 720..869		
Seq. No.	21721	Seq. ID	OJ990415_10.9819.C19
Gene No.	45313	Strand	-
Start	235	End	537
Name	OJ990415_10.9819.C19.o1.gs	Method	GENSCAN
Start	235	End	537
GI	none	Score	.98
Exons	235..537		
Seq. No.	21722	Seq. ID	OJ990415_10.9819.C20
Gene No.	45314	Strand	+
Start	1	End	875
Name	OJ990415_10.9819.C20.o1.np	Method	AAT/NAP

Start	1	End	875
GI	5902445	Score	607
Exons	1..875		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	21722	Seq. ID	OJ990415_10.9819.C20
Gene No.	45314	Strand	+
Start	1	End	875
Name	OJ990415_10.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	129	End	563
GI	none	Score	286
Exons	129..563, 272..541		

Seq. No.	21722	Seq. ID	OJ990415_10.9819.C20
Gene No.	45314	Strand	+
Start	1	End	875
Name	OJ990415_10.9819.C20.o1.gs	Method	GENSCAN
Start	144	End	517
GI	none	Score	.58
Exons	144..356, 398..517		

Seq. No.	21722	Seq. ID	OJ990415_10.9819.C20
Gene No.	45314	Strand	+
Start	1	End	875
Name	OJ990415_10.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	207	End	443
GI	none	Score	186
Exons	207..443, 287..433		

Seq. No.	21722	Seq. ID	OJ990415_10.9819.C20
Gene No.	45314	Strand	+
Start	1	End	875
Name	OJ990415_10.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	231	End	654
GI	none	Score	314
Exons	231..560, 271..372, 278..544, 537..650, 538..654		

Seq. No.	21723	Seq. ID	OJ990415_10.9819.C21
Gene No.	45315	Strand	-
Start	141	End	1350
Name	OJ990415_10.9819.C21.o1.np	Method	AAT/NAP
Start	141	End	1350
GI	4680183	Score	179
Exons	141..232, 844..949, 1068..1350		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	21724	Seq. ID	OJ990415_10.9819.C22
Gene No.	45316	Strand	+
Start	38	End	163
Name	OJ990415_10.9819.C22.o1.gp	Method	AAT/GAP
Start	38	End	163
GI	LIB3474-009-P1-K1-F11	Score	166
Exons	38..163		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	21724	Seq. ID	OJ990415_10.9819.C22

Gene No.	45317	Strand	+
Start	849	End	1930
Name	OJ990415_10.9819.C22.o1.gs	Method	GENSCAN
Start	849	End	1930
GI	none	Score	.63
Exons	849..887, 1037..1144, 1901..1930		

Seq. No.	21725	Seq. ID	OJ990415_10.9819.C25
Gene No.	45318	Strand	-
Start	148	End	254
Name	OJ990415_10.9819.C25.o1.gs	Method	GENSCAN
Start	148	End	254
GI	none	Score	.88
Exons	148..254		

Seq. No.	21726	Seq. ID	OJ990415_10.9819.C27
Gene No.	45319	Strand	+
Start	225	End	402
Name	OJ990415_10.9819.C27.o1.gs	Method	GENSCAN
Start	225	End	402
GI	none	Score	.99
Exons	225..402		

Seq. No.	21727	Seq. ID	OJ990415_10.9819.C29
Gene No.	45320	Strand	+
Start	232	End	475
Name	OJ990415_10.9819.C29.o1.gs	Method	GENSCAN
Start	232	End	475
GI	none	Score	.64
Exons	232..475		

Seq. No.	21727	Seq. ID	OJ990415_10.9819.C29
Gene No.	45321	Strand	-
Start	255	End	798
Name	OJ990415_10.9819.C29.o1.np	Method	AAT/NAP
Start	255	End	798
GI	5852180	Score	271
Exons	255..629, 676..798		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	21728	Seq. ID	OJ990415_10.9819.C30
Gene No.	45322	Strand	-
Start	1	End	5847
Name	OJ990415_10.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	5847
GI	5725435	Score	142
Exons	1..59, 1312..1428, 1546..1665, 2071..2231, 2447..2518, 2639..2743, 2862..2928, 2963..3109, 5741..5847		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	21728	Seq. ID	OJ990415_10.9819.C30
Gene No.	45322	Strand	-
Start	1	End	5847
Name	OJ990415_10.9819.C30.o1.gp	Method	AAT/GAP
Start	555	End	687
GI	LIB3474-009-P1-K1-F11	Score	228
Exons	555..687		

GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		
Seq. No.	21728	Seq. ID	OJ990415_10.9819.C30
Gene No.	45322	Strand	-
Start	1	End	5847
Name	OJ990415_10.9819.C30.o2.np	Method	AAT/NAP
Start	4294	End	4514
GI	6714341	Score	143
Exons	4294..4514		
GI Descrip.	(AC016162) putative GDSL-motif lipase/acylhydrolase [Arabidopsis thaliana]		
Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45323	Strand	+
Start	4138	End	5948
Name	OJ990415_10.9819.C31.o2.gs	Method	GENSCAN
Start	4138	End	5948
GI	none	Score	.63
Exons	4138..4244, 4309..4436, 5746..5948		
Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45324	Strand	+
Start	17441	End	20650
Name	OJ990415_10.9819.C31.o1.gp	Method	AAT/GAP
Start	17441	End	20583
GI	none	Score	1416
Exons	17441..17948, 20354..20583		
Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45324	Strand	+
Start	17441	End	20650
Name	OJ990415_10.9819.C31.o6.gs	Method	GENSCAN
Start	20348	End	20650
GI	none	Score	.71
Exons	20348..20650		
Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45325	Strand	+
Start	25397	End	27112
Name	OJ990415_10.9819.C31.o4.np	Method	AAT/NAP
Start	25397	End	27112
GI	6907087	Score	908
Exons	25397..25765, 25811..26470, 27011..27112		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45326	Strand	+
Start	27572	End	27951
Name	OJ990415_10.9819.C31.o2.gp	Method	AAT/GAP
Start	27572	End	27951
GI	uC-osf1cyp033a04b1	Score	633
Exons	27572..27951		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45327	Strand	+
Start	31541	End	31819
Name	OJ990415_10.9819.C31.o3.gp	Method	AAT/GAP
Start	31541	End	31819
GI	31877_1.R1084	Score	215
Exons	31541..31616, 31751..31819		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45328	Strand	+
Start	33082	End	34159
Name	OJ990415_10.9819.C31.o8.gs	Method	GENSCAN
Start	33082	End	34159
GI	none	Score	.49
Exons	33082..33221, 33273..33594, 33995..34159		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45329	Strand	-
Start	222	End	2270
Name	OJ990415_10.9819.C31.o1.gs	Method	GENSCAN
Start	222	End	1888
GI	none	Score	.71
Exons	222..530, 851..1081, 1206..1324, 1606..1888		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45329	Strand	-
Start	222	End	2270
Name	OJ990415_10.9819.C31.o1.np	Method	AAT/NAP
Start	311	End	2270
GI	4914384	Score	178
Exons	311..604, 931..1081, 1200..1317, 1599..1812, 2186..2270		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45330	Strand	-
Start	7027	End	12663
Name	OJ990415_10.9819.C31.o3.gs	Method	GENSCAN
Start	7027	End	12663
GI	none	Score	.6
Exons	7027..7194, 8259..8306, 8737..8811, 9371..9600, 12319..12447, 12585..12663		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45330	Strand	-
Start	7027	End	12663
Name	OJ990415_10.9819.C31.o2.np	Method	AAT/NAP
Start	8472	End	10780
GI	1091678	Score	1252
Exons	8472..8531, 8828..10780		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45331	Strand	-

Start	18844	End	19896
Name	OJ990415_10.9819.C31.o5.gs	Method	GENSCAN
Start	18844	End	19896
GI	none	Score	.75
Exons	18844..19373, 19605..19896		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45332	Strand	-
Start	27505	End	29449
Name	OJ990415_10.9819.C31.o5.np	Method	AAT/NAP
Start	27505	End	29449
GI	4680186	Score	309
Exons	27505..27705, 29403..29449		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45333	Strand	-
Start	30839	End	32828
Name	OJ990415_10.9819.C31.o7.np	Method	AAT/NAP
Start	30839	End	32828
GI	6539570	Score	181
Exons	30839..30864, 32359..32422, 32625..32828		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45334	Strand	-
Start	32957	End	33035
Name	OJ990415_10.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	8889	End	10337
GI	none	Score	154
Exons	8889..8966, 8979..9047, 9060..9122, 9110..9163, 9383..9604, 9384..9608, 9385..9609, 9619..9765, 9762..9896, 9770..9976, 9783..9977, 9981..10022, 10029..10172, 10075..10173, 10163..10276, 10166..10276, 10278..10337		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45334	Strand	-
Start	32957	End	33035
Name	OJ990415_10.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	10338	End	10543
GI	none	Score	141
Exons	10338..10514, 10343..10543, 10346..10525		

Seq. No.	21729	Seq. ID	OJ990415_10.9819.C31
Gene No.	45334	Strand	-
Start	32957	End	33035
Name	OJ990415_10.9819.C31.o8.np	Method	AAT/NAP
Start	32957	End	33035
GI	6630699	Score	75
Exons	32957..33035		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	21730	Seq. ID	OJ990415_10.9819.C32
Gene No.	45335	Strand	+
Start	188	End	531

Name	OJ990415_10.9819.C32.o1.gs	Method	GENSCAN
Start	188	End	531
GI	none	Score	.64
Exons	188..396, 417..531		

Seq. No.	21730	Seq. ID	OJ990415_10.9819.C32
Gene No.	45336	Strand	-
Start	1	End	540
Name	OJ990415_10.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	540
GI	6539570	Score	183
Exons	1..122, 325..540		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	21731	Seq. ID	OJ990415_10.9819.C33
Gene No.	45337	Strand	+
Start	123	End	201
Name	OJ990415_10.9819.C33.o1.gs	Method	GENSCAN
Start	123	End	201
GI	none	Score	.75
Exons	123..201		

Seq. No.	21732	Seq. ID	OJ990415_10.9819.C35
Gene No.	45338	Strand	+
Start	94	End	298
Name	OJ990415_10.9819.C35.o1.gs	Method	GENSCAN
Start	94	End	298
GI	none	Score	.83
Exons	94..298		

Seq. No.	21733	Seq. ID	OJ990415_10.9819.C37
Gene No.	45339	Strand	+
Start	1	End	794
Name	OJ990415_10.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	794
GI	1091678	Score	685
Exons	1..794		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	21733	Seq. ID	OJ990415_10.9819.C37
Gene No.	45339	Strand	+
Start	1	End	794
Name	OJ990415_10.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	200	End	793
GI	none	Score	349
Exons	200..511, 205..507, 209..517, 270..518, 509..616, 517..642, 522..641, 652..699, 652..699, 706..783, 707..793		

Seq. No.	21734	Seq. ID	OJ990415_10.9819.C38
Gene No.	45340	Strand	-
Start	106	End	355
Name	OJ990415_10.9819.C38.o1.gs	Method	GENSCAN
Start	106	End	355
GI	none	Score	.68
Exons	106..355		

Seq. No.	21735	Seq. ID	OJ990405_12.9819.C1

Gene No.	45341	Strand	-
Start	389	End	649
Name	OJ990405_12.9819.C1.o1.gs	Method	GENSCAN
Start	389	End	634
GI	none	Score	.87
Exons	389..634		

Seq. No.	21735	Seq. ID	OJ990405_12.9819.C1
Gene No.	45341	Strand	-
Start	389	End	649
Name	OJ990405_12.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	466	End	649
GI	none	Score	169
Exons	466..636, 467..649, 471..638		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45342	Strand	+
Start	418	End	1063
Name	OJ990405_12.9819.C2.o1.gs	Method	GENSCAN
Start	418	End	1063
GI	none	Score	.62
Exons	418..736, 930..1063		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45343	Strand	+
Start	6370	End	7570
Name	OJ990405_12.9819.C2.o3.gs	Method	GENSCAN
Start	6370	End	7570
GI	none	Score	.9
Exons	6370..6407, 7045..7234, 7553..7570		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45344	Strand	+
Start	8387	End	8991
Name	OJ990405_12.9819.C2.o1.gp	Method	AAT/GAP
Start	8387	End	8991
GI	45206_1.R1084	Score	1142
Exons	8387..8991		
GI Descrip.	'4469024/emb|CAB38285| 3.0e-30 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45345	Strand	-
Start	2663	End	3861
Name	OJ990405_12.9819.C2.o2.gs	Method	GENSCAN
Start	2663	End	3861
GI	none	Score	.78
Exons	2663..2909, 2953..3140, 3546..3626, 3799..3861		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45346	Strand	-
Start	8970	End	9935
Name	OJ990405_12.9819.C2.o4.gs	Method	GENSCAN
Start	8970	End	9790
GI	none	Score	.57
Exons	8970..9287, 9387..9533, 9635..9790		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45346	Strand	-
Start	8970	End	9935
Name	OJ990405_12.9819.C2.o2.gp	Method	AAT/GAP
Start	9042	End	9303
GI	none	Score	392
Exons	9042..9303		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45346	Strand	-
Start	8970	End	9935
Name	OJ990405_12.9819.C2.o1.np	Method	AAT/NAP
Start	9096	End	9935
GI	6624711	Score	231
Exons	9096..9167, 9225..9287, 9387..9533, 9635..9935		
GI Descrip.	(AJ243961) hypothetical protein [Oryza sativa]		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45346	Strand	-
Start	8970	End	9935
Name	OJ990405_12.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	9195	End	9889
GI	none	Score	88
Exons	9195..9290, 9229..9291, 9387..9545, 9393..9536, 9632..9826, 9743..9826, 9818..9889, 9829..9888		

Seq. No.	21736	Seq. ID	OJ990405_12.9819.C2
Gene No.	45346	Strand	-
Start	8970	End	9935
Name	OJ990405_12.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	9231	End	9888
GI	none	Score	43
Exons	9231..9293, 9384..9545, 9632..9826, 9829..9888		

Seq. No.	21737	Seq. ID	OJ990405_12.9819.C3
Gene No.	45347	Strand	+
Start	250	End	539
Name	OJ990405_12.9819.C3.o1.gs	Method	GENSCAN
Start	250	End	539
GI	none	Score	.95
Exons	250..539		

Seq. No.	21737	Seq. ID	OJ990405_12.9819.C3
Gene No.	45348	Strand	+
Start	2901	End	7572
Name	OJ990405_12.9819.C3.o1.np	Method	AAT/NAP
Start	2901	End	7572
GI	6069646	Score	302
Exons	2901..2975, 7259..7572		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	21737	Seq. ID	OJ990405_12.9819.C3
Gene No.	45348	Strand	+

Start	2901	End	7572
Name	OJ990405_12.9819.C3.o2.gp	Method	AAT/GAP
Start	4766	End	4993
GI	6547_1.R1084	Score	332
Exons	4766..4993		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	21737	Seq. ID	OJ990405_12.9819.C3
Gene No.	45349	Strand	+
Start	8108	End	8708
Name	OJ990405_12.9819.C3.o3.gs	Method	GENSCAN
Start	8108	End	8708
GI	none	Score	.99
Exons	8108..8212, 8304..8708		

Seq. No.	21737	Seq. ID	OJ990405_12.9819.C3
Gene No.	45350	Strand	-
Start	114	End	482
Name	OJ990405_12.9819.C3.o1.gp	Method	AAT/GAP
Start	114	End	482
GI	none	Score	730
Exons	114..482		

Seq. No.	21737	Seq. ID	OJ990405_12.9819.C3
Gene No.	45351	Strand	-
Start	1325	End	7611
Name	OJ990405_12.9819.C3.o2.gs	Method	GENSCAN
Start	1325	End	7611
GI	none	Score	.49
Exons	1325..1489, 3631..3671, 3707..3785, 4893..5000, 7368..7508, 7597..7611		

Seq. No.	21737	Seq. ID	OJ990405_12.9819.C3
Gene No.	45352	Strand	-
Start	9357	End	10211
Name	OJ990405_12.9819.C3.o4.gs	Method	GENSCAN
Start	9357	End	10211
GI	none	Score	.57
Exons	9357..9487, 10148..10211		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45353	Strand	+
Start	3424	End	6886
Name	OJ990405_12.9819.C4.o1.gp	Method	AAT/GAP
Start	3331	End	3654
GI	none	Score	636
Exons	3331..3654		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45353	Strand	+
Start	3424	End	6886
Name	OJ990405_12.9819.C4.o1.np	Method	AAT/NAP
Start	3421	End	6886
GI	4567279	Score	2504
Exons	3421..5901, 6774..6886		
GI Descrip.	(AC006841) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45353	Strand	+
Start	3424	End	6886
Name	OJ990405_12.9819.C4.o2.gs	Method	GENSCAN
Start	3424	End	6157
GI	none	Score	.98
Exons	3424..5957, 5986..6157		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45353	Strand	+
Start	3424	End	6886
Name	OJ990405_12.9819.C4.o2.gp	Method	AAT/GAP
Start	5145	End	5581
GI	16916_1.R1084	Score	778
Exons	5145..5581		
GI Descrip.	'4567279/gb|AAD23692.1|AC006841_20 1.0e-60 (AC006841) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45354	Strand	+
Start	8428	End	13540
Name	OJ990405_12.9819.C4.o3.gs	Method	GENSCAN
Start	8428	End	13047
GI	none	Score	.74
Exons	8428..8682, 9813..10568, 11152..11200, 11851..12065, 12706..12806, 12954..13047		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45354	Strand	+
Start	8428	End	13540
Name	OJ990405_12.9819.C4.o3.gp	Method	AAT/GAP
Start	8583	End	10109
GI	none	Score	835
Exons	8583..8739, 9813..10109		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45354	Strand	+
Start	8428	End	13540
Name	OJ990405_12.9819.C4.o2.np	Method	AAT/NAP
Start	9927	End	13540
GI	2980798	Score	699
Exons	9927..10568, 10654..10782, 11152..11200, 11851..12065, 12173..12241, 12706..12806, 12954..13047, 13264..13540		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45354	Strand	+
Start	8428	End	13540
Name	OJ990405_12.9819.C4.o4.gp	Method	AAT/GAP
Start	10658	End	13316
GI	14682_1.R1084	Score	1256
Exons	10658..10782, 11152..11200, 11851..12065, 12173..12241, 12706..12806, 12954..13047, 13264..13316		
GI Descrip.	'2980798/emb|CAA18174.1| 8.0e-78 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45355	Strand	-
Start	2241	End	2531
Name	OJ990405_12.9819.C4.o1.gs	Method	GENSCAN
Start	2241	End	2531
GI	none	Score	.41
Exons	2241..2531		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45356	Strand	
Start	4075	End	4845
Name	OJ990405_12.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	4075	End	4674
GI	none	Score	73
Exons	4075..4167, 4249..4530, 4260..4526, 4594..4674		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45356	Strand	
Start	4075	End	4845
Name	OJ990405_12.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	4086	End	4602
GI	none	Score	535
Exons	4086..4505, 4090..4512, 4488..4535, 4489..4548, 4507..4602, 4548..4592		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45356	Strand	
Start	4075	End	4845
Name	OJ990405_12.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	4446	End	4845
GI	none	Score	287
Exons	4446..4589, 4447..4695, 4650..4694, 4736..4771, 4776..4841, 4777..4845		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45357	Strand	
Start	4918	End	5817
Name	OJ990405_12.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	4918	End	5805
GI	none	Score	1108
Exons	4918..5805, 4938..4976, 5019..5798		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45357	Strand	
Start	4918	End	5817
Name	OJ990405_12.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	4936	End	5817
GI	none	Score	455
Exons	4936..5235, 4938..5234, 5170..5250, 5227..5325, 5245..5817, 5250..5798		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45357	Strand	
Start	4918	End	5817
Name	OJ990405_12.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	4945	End	5498
GI	none	Score	117

Exons	4945..5037, 5034..5498, 5035..5487		
Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45357	Strand	
Start	4918	End	5817
Name	OJ990405_12.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	4981	End	5400
GI	none	Score	78
Exons	4981..5037, 5034..5399, 5035..5400		
Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45357	Strand	
Start	4918	End	5817
Name	OJ990405_12.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	5425	End	5817
GI	none	Score	149
Exons	5425..5625, 5436..5549, 5646..5789, 5647..5817		
Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45357	Strand	
Start	4918	End	5817
Name	OJ990405_12.9819.C4.o3.tc	Method	TBLASTX:Cress
Start	5499	End	5805
GI	none	Score	323
Exons	5499..5795, 5500..5805		
Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45358	Strand	
Start	9848	End	10758
Name	OJ990405_12.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	9848	End	10758
GI	none	Score	52
Exons	9848..9883, 9849..9884, 9850..9885, 9891..10211, 9893..10429, 9893..10357, 10213..10458, 10284..10358, 10421..10483, 10484..10573, 10485..10568, 10653..10757, 10653..10757, 10654..10758		
Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45359	Strand	
Start	11152	End	13316
Name	OJ990405_12.9819.C4.o4.tc	Method	TBLASTX:Cress
Start	11152	End	12211
GI	none	Score	67
Exons	11152..11199, 11849..12064, 11850..12077, 11865..12068, 12161..12211		
Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45359	Strand	
Start	11152	End	13316
Name	OJ990405_12.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	11846	End	13316
GI	none	Score	200
Exons	11846..12064, 11849..12064, 11850..12068, 11853..12068, 12167..12247, 12172..12243, 12703..12816, 12704..12808, 12714..12815, 12951..12992, 12955..12996, 12999..13046, 13000..13053, 13227..13313, 13237..13314, 13258..13314, 13260..13316		

Seq. No.	21738	Seq. ID	OJ990405_12.9819.C4
Gene No.	45359	Strand	
Start	11152	End	13316
Name	OJ990405_12.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	11849	End	13302
GI	none	Score	235
Exons	11849..12064, 11850..12077, 11850..12068, 12158..12229, 12161..12247, 12172..12243, 12703..12816, 12951..13046, 12958..13053, 13258..13302		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45360	Strand	+
Start	415	End	7129
Name	OJ990405_12.9819.C7.o1.np	Method	AAT/NAP
Start	415	End	6822
GI	5734621	Score	2958
Exons	415..554, 642..898, 936..1196, 1610..1712, 1863..1970, 2084..2167, 2273..2333, 2744..2889, 3351..3467, 3573..3658, 4218..4306, 4966..5021, 5155..5235, 5500..5565, 5693..5785, 5886..5950, 6232..6367, 6679..6822		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45360	Strand	+
Start	415	End	7129
Name	OJ990405_12.9819.C7.o1.gs	Method	GENSCAN
Start	425	End	6825
GI	none	Score	.75
Exons	425..634, 642..730, 936..1196, 1610..1712, 1863..1970, 2084..2167, 2273..2333, 2744..2889, 3351..3467, 3573..3658, 4218..4306, 4966..5021, 5155..5235, 5500..5565, 5693..5785, 5886..5950, 6232..6367, 6679..6825		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45360	Strand	+
Start	415	End	7129
Name	OJ990405_12.9819.C7.o1.gp	Method	AAT/GAP
Start	4250	End	6288
GI	LIB3433-040-P1-K1-C8	Score	785
Exons	4250..4306, 4966..5021, 5155..5235, 5500..5565, 5693..5785, 5886..5950, 6232..6288		
GI Descrip.	'5734621/dbj|BAA83352.1| 2.0e-80 (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]'		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45360	Strand	+
Start	415	End	7129
Name	OJ990405_12.9819.C7.o2.gp	Method	AAT/GAP
Start	6660	End	7129
GI	12911_1.R1084	Score	819
Exons	6660..7129		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic		

DNA, chromosome 6, clone:P0538C01'

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45361	Strand	+
Start	7467	End	7899
Name	OJ990405_12.9819.C7.o3.gp	Method	AAT/GAP
Start	7467	End	7899
GI	5004333	Score	790
Exons	7467..7899		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45362	Strand	-
Start	7352	End	7683
Name	OJ990405_12.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	1151	End	2335
GI	none	Score	68
Exons	1151..1195, 1153..1194, 1599..1715, 1604..1726, 1827..1910, 1837..1884, 1862..1960, 1862..1978, 2080..2166, 2081..2185, 2081..2167, 2270..2335, 2272..2334		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45362	Strand	-
Start	7352	End	7683
Name	OJ990405_12.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	1640	End	5003
GI	none	Score	87
Exons	1640..1708, 1641..1709, 1641..1709, 1853..1984, 1860..1970, 2081..2185, 2081..2182, 2270..2332, 2272..2334, 2741..2842, 2744..2902, 2745..2894, 2745..2915, 2746..2895, 3334..3468, 3340..3468, 3350..3475, 3350..3469, 3354..3470, 3555..3656, 3557..3655, 4201..4323, 4227..4307, 4956..5003		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45362	Strand	-
Start	7352	End	7683
Name	OJ990405_12.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	2085	End	2846
GI	none	Score	84
Exons	2085..2168, 2085..2165, 2086..2166, 2087..2185, 2270..2335, 2272..2328, 2743..2844, 2746..2844, 2748..2846		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45362	Strand	-
Start	7352	End	7683
Name	OJ990405_12.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	2847	End	4293
GI	none	Score	73
Exons	2847..2894, 2848..2895, 3343..3468, 3350..3472, 3350..3472, 3351..3473, 3355..3480, 3555..3659, 3557..3661, 3557..3661, 3558..3665, 3559..3666, 4044..4112, 4208..4279, 4212..4292, 4217..4291, 4218..4292, 4219..4293		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45362	Strand	-
Start	7352	End	7683

Name	OJ990405_12.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	4219	End	5924
GI	none	Score	128
Exons	4219..4323, 4224..4310, 4956..5027, 4961..5029, 5146..5232, 5155..5244, 5160..5237, 5499..5567, 5500..5568, 5680..5790, 5690..5782, 5880..5924		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45362	Strand	-
Start	7352	End	7683
Name	OJ990405_12.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	5163	End	5924
GI	none	Score	59
Exons	5163..5234, 5164..5244, 5172..5237, 5499..5567, 5500..5568, 5680..5790, 5690..5788, 5690..5797, 5849..5923, 5880..5924		

Seq. No.	21739	Seq. ID	OJ990405_12.9819.C7
Gene No.	45362	Strand	-
Start	7352	End	7683
Name	OJ990405_12.9819.C7.o2.gs	Method	GENSCAN
Start	7352	End	7683
GI	none	Score	.81
Exons	7352..7422, 7608..7683		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45363	Strand	+
Start	1	End	5027
Name	OJ990405_12.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	3468
GI	6403492	Score	1283
Exons	1..120, 232..317, 890..915, 967..1008, 1151..1261, 1478..1576, 1701..1823, 2024..2086, 2160..2224, 2311..2420, 2502..2616, 2695..2760, 3148..3258, 3390..3468		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45363	Strand	+
Start	1	End	5027
Name	OJ990405_12.9819.C8.o1.gp	Method	AAT/GAP
Start	34	End	110
GI	53395_1.R1084	Score	133
Exons	34..110		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45363	Strand	+
Start	1	End	5027
Name	OJ990405_12.9819.C8.o1.gs	Method	GENSCAN
Start	92	End	5027
GI	none	Score	.86
Exons	92..120, 232..317, 890..1008, 1151..1261, 1701..1823, 2024..2086, 3171..3258, 4101..4211, 4621..5027		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45363	Strand	+
Start	1	End	5027

Name	OJ990405_12.9819.C8.o2.gp	Method	AAT/GAP
Start	884	End	2181
GI	uC-osflcyp086e04b1	Score	949
Exons	884..1008, 1151..1261, 1478..1576, 1701..1823, 2024..2086, 2160..2181		
GI Descrip.	'5734620/dbj|BAA83351.1| 4.0e-17 (AP000391) ESTs AU077435(C12539),C26534(C12539) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45363	Strand	+
Start	1	End	5027
Name	OJ990405_12.9819.C8.o3.gp	Method	AAT/GAP
Start	2399	End	4064
GI	53223_1.R1084	Score	1656
Exons	2399..2420, 2502..2616, 2695..2760, 3148..3258, 3390..3456, 3547..4064		
GI Descrip.	'5734620/dbj|BAA83351.1| 1.0e-20 (AP000391) ESTs AU077435(C12539),C26534(C12539) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	34	End	933
GI	none	Score	145
Exons	34..135, 35..121, 230..319, 239..322, 888..932, 888..932, 889..933		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	946	End	3867
GI	none	Score	79
Exons	946..1020, 1127..1264, 1146..1223, 1195..1260, 1436..1576, 1464..1577, 1468..1587, 1476..1577, 1477..1581, 1687..1812, 1692..1841, 1698..1811, 1699..1827, 2021..2086, 2022..2087, 2022..2087, 2023..2088, 2153..2224, 2157..2231, 2158..2226, 2298..2423, 2298..2420, 2311..2421, 2312..2425, 2479..2619, 2486..2620, 2693..2758, 2694..2759, 2695..2760, 3139..3261, 3144..3293, 3147..3260, 3378..3455, 3387..3455, 3388..3456, 3391..3456, 3539..3598, 3546..3596, 3547..3603, 3547..3597, 3548..3598, 3549..3605, 3785..3865, 3789..3860, 3793..3867, 3794..3862		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	1181	End	2611
GI	none	Score	122
Exons	1181..1264, 1195..1257, 1464..1577, 1477..1587, 1478..1576, 1480..1584, 1692..1823, 2021..2086, 2050..2082, 2157..2231, 2157..2225, 2306..2425, 2311..2421, 2479..2610, 2486..2611		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	1481	End	2410
GI	none	Score	139
Exons	1481..1576, 1489..1587, 1490..1576, 1492..1584, 1687..1803, 1692..1841, 1698..1811, 1699..1827, 1971..2090, 2021..2086, 2022..2087, 2023..2088, 2157..2231, 2159..2242, 2159..2224, 2310..2408, 2310..2408, 2311..2409, 2312..2410		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	2036	End	3594
GI	none	Score	63
Exons	2036..2086, 2050..2085, 2153..2248, 2157..2231, 2306..2425, 2311..2421, 2312..2422, 2313..2438, 2479..2619, 2486..2620, 2501..2647, 2693..2758, 2695..2760, 3145..3261, 3145..3261, 3146..3262, 3146..3262, 3384..3416, 3387..3440, 3388..3456, 3521..3559, 3546..3587, 3547..3594		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	4663	End	6415
GI	none	Score	171
Exons	4663..4782, 4671..4874, 4674..4886, 4730..4885, 4919..5047, 4967..5044, 4975..5046, 5411..5593, 5425..5679, 5494..5694, 5689..5820, 5693..5821, 6107..6139, 6109..6138, 6136..6414, 6173..6415, 6176..6415		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o2.np	Method	AAT/NAP
Start	4668	End	7463
GI	5734619	Score	1645
Exons	4668..4872, 4968..5045, 5426..5821, 6113..6413, 7418..7463		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana BAC F15P23 (AF128392) [Oryza sativa]		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	4668	End	5478
GI	none	Score	98
Exons	4668..4874, 4668..4889, 4973..5044, 5425..5478		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	4674	End	6601

GI	none	Score	116
Exons	4674..4859, 4674..4889, 4917..5045, 4967..5044, 5411..5599, 5425..5601, 5695..5772, 5696..5773, 5773..5820, 5774..5821, 6163..6417, 6203..6412, 6473..6601		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o4.gp	Method	AAT/GAP
Start	4790	End	5787
GI	LIB3434-035-P1-K1-C10	Score	971
Exons	4790..4872, 4968..5045, 5426..5787		
GI Descrip.	'5734619/dbj|BAA83350.1| 3.0e-96 (AP000391) Similar to Arabidopsis thaliana BAC F15P23 (AF128392) [Oryza sativa]'		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	4809	End	5596
GI	none	Score	87
Exons	4809..4889, 4917..5045, 4967..5044, 5411..5596, 5425..5589		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o3.tc	Method	TBLASTX:Cress
Start	5542	End	6417
GI	none	Score	49
Exons	5542..5601, 5546..5599, 5608..5685, 5689..5820, 5696..5821, 6163..6417, 6194..6415		

Seq. No.	21740	Seq. ID	OJ990405_12.9819.C8
Gene No.	45364	Strand	-
Start	4668	End	7463
Name	OJ990405_12.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	5746	End	6417
GI	none	Score	73
Exons	5746..5820, 5750..5821, 6163..6417, 6203..6415		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45365	Strand	+
Start	1224	End	4553
Name	OJ990405_12.9819.C9.o1.gs	Method	GENSCAN
Start	1224	End	4553
GI	none	Score	.78
Exons	1224..1318, 1563..1703, 1866..1901, 1972..2041, 2796..2973, 2996..3358, 3485..3637, 3681..3748, 4178..4270, 4530..4553		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45365	Strand	+
Start	1224	End	4553
Name	OJ990405_12.9819.C9.o2.gp	Method	AAT/GAP
Start	3515	End	3816
GI	LIB3433-022-P1-K1-E1	Score	563
Exons	3515..3816		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-158 Oryza sativa genomic		

DNA, chromosome 6, clone:P0538C01'

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45366	Strand	-
Start	1	End	3651
Name	OJ990405_12.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	3651
GI	5734619	Score	1502
Exons	1..34, 1129..1339, 2989..3651		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana BAC F15P23 (AF128392) [Oryza sativa]		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45367	Strand	-
Start	5659	End	6169
Name	OJ990405_12.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	1115	End	3018
GI	none	Score	234
Exons	1115..1339, 1140..1340, 2983..3018		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45367	Strand	-
Start	5659	End	6169
Name	OJ990405_12.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	1136	End	3384
GI	none	Score	166
Exons	1136..1339, 1137..1340, 2983..3018, 2987..3019, 3085..3384, 3089..3304		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45367	Strand	-
Start	5659	End	6169
Name	OJ990405_12.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	1139	End	3468
GI	none	Score	166
Exons	1139..1339, 1143..1340, 2983..3018, 2987..3019, 3088..3468, 3089..3301		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45367	Strand	-
Start	5659	End	6169
Name	OJ990405_12.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	1170	End	3195
GI	none	Score	117
Exons	1170..1340, 1172..1339, 2983..3018, 2987..3016, 3085..3195, 3089..3148		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45367	Strand	-
Start	5659	End	6169
Name	OJ990405_12.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	3091	End	3399
GI	none	Score	224
Exons	3091..3399, 3092..3373		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45367	Strand	-

Start	5659	End	6169
Name	OJ990405_12.9819.C9.o2.gs	Method	GENSCAN
Start	5659	End	6096
GI	none	Score	.64
Exons	5659..5994, 6091..6096		

Seq. No.	21741	Seq. ID	OJ990405_12.9819.C9
Gene No.	45367	Strand	-
Start	5659	End	6169
Name	OJ990405_12.9819.C9.o2.np	Method	AAT/NAP
Start	5684	End	6169
GI	5734618	Score	674
Exons	5684..6169		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence; unknown protein (AC006234) [Oryza sativa]		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45368	Strand	+
Start	7705	End	9880
Name	OJ990405_12.9819.C10.o4.np	Method	AAT/NAP
Start	7705	End	9880
GI	6598840	Score	137
Exons	7705..7771, 9379..9880		
GI Descrip.	(AC010795) putative transcriptional regulator [Arabidopsis thaliana]		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45368	Strand	+
Start	7705	End	9880
Name	OJ990405_12.9819.C10.o3.gs	Method	GENSCAN
Start	8878	End	9834
GI	none	Score	.84
Exons	8878..9834		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45369	Strand	-
Start	1	End	453
Name	OJ990405_12.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	453
GI	5734618	Score	656
Exons	1..453		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence; unknown protein (AC006234) [Oryza sativa]		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45370	Strand	-
Start	2337	End	2735
Name	OJ990405_12.9819.C10.o2.np	Method	AAT/NAP
Start	2337	End	2735
GI	5734617	Score	686
Exons	2337..2735		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-

Start	4704	End	8420
Name	OJ990405_12.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	61	End	243
GI	none	Score	111
Exons	61..243, 122..241		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420
Name	OJ990405_12.9819.C10.o1.gp	Method	AAT/GAP
Start	4551	End	4857
GI	uC-osroM202016d07a1	Score	565
Exons	4551..4857		
GI Descrip.	'1710401/sp|P49730|RIR2_TOBAC 2.0e-15 RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (RIBONUCLEOTIDE REDUCTASE) (R2 SUBUNIT) >gi_1044912_emb_CAA63194_ (X92443) ribonucleotide reductase R2 [Nicotiana tabacum]'		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420
Name	OJ990405_12.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	4704	End	5693
GI	none	Score	76
Exons	4704..4772, 4704..5690, 4705..5652, 5407..5601, 5619..5693		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420
Name	OJ990405_12.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	4704	End	5690
GI	none	Score	106
Exons	4704..4745, 4744..4926, 4752..4985, 4755..5531, 4756..5013, 5068..5301, 5349..5531, 5359..5538, 5538..5690, 5539..5649		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420
Name	OJ990405_12.9819.C10.o2.gs	Method	GENSCAN
Start	4704	End	8420
GI	none	Score	.6
Exons	4704..5891, 6094..6232, 7617..7713, 8099..8420		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420
Name	OJ990405_12.9819.C10.o3.np	Method	AAT/NAP
Start	4707	End	5699
GI	1710401	Score	1367
Exons	4707..5699		
GI Descrip.	RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (RIBONUCLEOTIDE REDUCTASE) (R2 SUBUNIT) gi|1044912|emb|CAA63194| (X92443) ribonucleotide reductase R2 [Nicotiana tabacum]		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420

Name	OJ990405_12.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	4746	End	5693
GI	none	Score	255
Exons	4746..5486, 4747..5016, 5071..5226, 5106..5297, 5284..5445, 5448..5534, 5449..5538, 5535..5693, 5536..5646		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420
Name	OJ990405_12.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	4866	End	5601
GI	none	Score	148
Exons	4866..4988, 4866..5441, 4867..5442, 5103..5444, 5392..5601		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45371	Strand	-
Start	4704	End	8420
Name	OJ990405_12.9819.C10.o2.gp	Method	AAT/GAP
Start	5320	End	5806
GI	55172_1.R1084	Score	906
Exons	5320..5806		
GI Descrip.	'1710401/sp|P49730|RIR2_TOBAC 3.0e-50 RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (RIBONUCLEOTIDE REDUCTASE) (R2 SUBUNIT) >gi_1044912_emb_CAA63194_ (X92443) ribonucleotide reductase R2 [Nicotiana tabacum]'		

Seq. No.	21742	Seq. ID	OJ990405_12.9819.C10
Gene No.	45372	Strand	
Start	9502	End	9706
Name	OJ990405_12.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	9502	End	9706
GI	none	Score	138
Exons	9502..9630, 9601..9633, 9619..9705, 9620..9706		

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45373	Strand	+
Start	1	End	887
Name	OJ990405_12.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	827
GI	6598840	Score	496
Exons	1..827		
GI Descrip.	(AC010795) putative transcriptional regulator [Arabidopsis thaliana]		

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45373	Strand	+
Start	1	End	887
Name	OJ990405_12.9819.C11.o1.gs	Method	GENSCAN
Start	141	End	887
GI	none	Score	.61
Exons	141..887		

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45374	Strand	-
Start	1955	End	3501
Name	OJ990405_12.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	112	End	406

GI	none	Score	195
Exons	112..153, 197..298, 198..329,	207..332,	347..406

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45374	Strand	-
Start	1955	End	3501
Name	OJ990405_12.9819.C11.o2.gs	Method	GENSCAN
Start	1955	End	3341
GI	none	Score	.83
Exons	1955..2077, 2181..2331, 3223..3341		

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45374	Strand	-
Start	1955	End	3501
Name	OJ990405_12.9819.C11.o2.np	Method	AAT/NAP
Start	3030	End	3501
GI	3600039	Score	574
Exons	3030..3501		
GI Descrip.	(AF080119) similar to Schizosaccharomyces pombe isp4 protein (GB:D14061) [Arabidopsis thaliana]		

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45374	Strand	-
Start	1955	End	3501
Name	OJ990405_12.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	3031	End	3467
GI	none	Score	129
Exons	3031..3225, 3042..3467, 3289..3465		

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45374	Strand	-
Start	1955	End	3501
Name	OJ990405_12.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	3037	End	3468
GI	none	Score	158
Exons	3037..3180, 3042..3179, 3180..3305, 3181..3306, 3204..3308, 3307..3453, 3309..3452, 3309..3467, 3319..3468		

Seq. No.	21743	Seq. ID	OJ990405_12.9819.C11
Gene No.	45374	Strand	-
Start	1955	End	3501
Name	OJ990405_12.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	3042	End	3452
GI	none	Score	271
Exons	3042..3116, 3111..3452		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45375	Strand	+
Start	3061	End	3509
Name	OJ990405_12.9819.C12.o1.gp	Method	AAT/GAP
Start	3061	End	3509
GI	287187	Score	639
Exons	3061..3078, 3152..3509		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45376	Strand	-
Start	1	End	4484

Name	OJ990405_12.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	4484
GI	3600039	Score	2093
Exons	1..82, 200..382, 464..719, 799..1368, 2638..2735, 2822..3257, 3417..3510, 4430..4484		
GI Descrip.	(AF080119) similar to Schizosaccharomyces pombe isp4 protein (GB:D14061) [Arabidopsis thaliana]		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45376	Strand	-
Start	1	End	4484
Name	OJ990405_12.9819.C12.o1.gs	Method	GENSCAN
Start	200	End	3484
GI	none	Score	.73
Exons	200..382, 464..752, 799..1368, 2638..2735, 2822..3282, 3391..3484		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	32	End	1203
GI	none	Score	45
Exons	32..85, 33..83, 188..349, 189..380, 197..385, 437..544, 464..718, 465..722, 795..923, 798..1025, 1029..1202, 1029..1148, 1072..1203, 1159..1200		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	231	End	682
GI	none	Score	128
Exons	231..383, 231..383, 233..385, 464..682, 465..554, 615..680		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	314	End	932
GI	none	Score	134
Exons	314..385, 464..718, 468..722, 798..932		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	891	End	1384
GI	none	Score	105
Exons	891..1034, 892..1014, 1029..1370, 1042..1374, 1047..1376, 1096..1374, 1223..1384		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	1203	End	1377

GI	none	Score	152
Exons	1203..1367, 1207..1377		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	2637	End	3302
GI	none	Score	100
Exons	2637..2735, 2641..2736, 2648..2737, 2819..2926, 2921..2992, 2925..2987, 2951..2992, 3014..3133, 3125..3253, 3126..3302		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	2921	End	3253
GI	none	Score	75
Exons	2921..3007, 2922..2981, 3029..3253, 3057..3242		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	2948	End	3299
GI	none	Score	56
Exons	2948..2995, 2949..2996, 3014..3253, 3057..3299		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o2.gs	Method	GENSCAN
Start	5044	End	6988
GI	none	Score	.79
Exons	5044..5156, 6191..6272, 6354..6415, 6539..6779, 6867..6988		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	5095	End	6972
GI	none	Score	80
Exons	5095..5157, 5096..5158, 6189..6272, 6190..6276, 6244..6276, 6335..6403, 6354..6413, 6355..6414, 6388..6414, 6513..6632, 6535..6633, 6543..6632, 6615..6716, 6864..6971, 6868..6972		

Seq. No.	21744	Seq. ID	OJ990405_12.9819.C12
Gene No.	45377	Strand	-
Start	5044	End	6988
Name	OJ990405_12.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	6204	End	6611
GI	none	Score	100
Exons	6204..6269, 6241..6276, 6354..6413, 6355..6414, 6528..6611		

Seq. No.	21745	Seq. ID	OJ990405_12.9819.C13
Gene No.	45378	Strand	+
Start	776	End	903

Name	OJ990405_12.9819.C13.o1.gs	Method	GENSCAN
Start	776	End	903
GI	none	Score	.85
Exons	776..903		

Seq. No.	21745	Seq. ID	OJ990405_12.9819.C13
Gene No.	45379	Strand	-
Start	1	End	1567
Name	OJ990405_12.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1567
GI	5852093	Score	59
Exons	1..29, 401..490, 1544..1567		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45380	Strand	+
Start	3760	End	17840
Name	OJ990405_12.9819.C14.o1.np	Method	AAT/NAP
Start	3760	End	5967
GI	1899175	Score	672
Exons	3760..3802, 4374..4481, 5058..5583, 5671..5967		
GI Descrip.	(U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45380	Strand	+
Start	3760	End	17840
Name	OJ990405_12.9819.C14.o2.np	Method	AAT/NAP
Start	4315	End	17840
GI	5734709	Score	92
Exons	4315..4508, 4651..4686, 7839..8128, 17537..17840		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45380	Strand	+
Start	3760	End	17840
Name	OJ990405_12.9819.C14.o1.gp	Method	AAT/GAP
Start	4373	End	4824
GI	none	Score	801
Exons	4373..4824		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45380	Strand	+
Start	3760	End	17840
Name	OJ990405_12.9819.C14.o2.gp	Method	AAT/GAP
Start	5060	End	5508
GI	uC-osf1M202066e05b1	Score	874
Exons	5060..5508		
GI Descrip.	'3320104/emb|CAA07481| 3.0e-39 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45380	Strand	+
Start	3760	End	17840
Name	OJ990405_12.9819.C14.o2.gs	Method	GENSCAN
Start	7881	End	16834

GI	none	Score	.76
Exons	7881..7952, 8032..8128, 8217..8391, 8463..8568, 8600..8748, 10015..10147, 10875..10992, 11199..11279, 11402..11466, 12167..12223, 12697..12768, 12890..13135, 13748..13851, 13951..14043, 14178..14208, 14241..14348, 14516..14634, 15158..15295, 15372..15457, 15981..16085, 16252..16380, 16701..16834		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45381	Strand	-
Start	588	End	7455
Name	OJ990405_12.9819.C14.o1.gs	Method	GENSCAN
Start	588	End	7205
GI	none	Score	.48
Exons	588..743, 3989..4055, 4378..5066, 5097..5580, 6582..6895, 6963..7205		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45381	Strand	-
Start	588	End	7455
Name	OJ990405_12.9819.C14.o3.gp	Method	AAT/GAP
Start	6646	End	7455
GI	none	Score	1541
Exons	6646..7455		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	5034	End	5996
GI	none	Score	451
Exons	5034..5585, 5082..5354, 5411..5584, 5654..5818, 5670..5996, 5870..5962		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	5058	End	5984
GI	none	Score	440
Exons	5058..5582, 5111..5218, 5282..5365, 5411..5560, 5678..5962, 5688..5966, 5700..5984, 5803..5979		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	5117	End	5984
GI	none	Score	454
Exons	5117..5218, 5118..5585, 5133..5354, 5282..5365, 5411..5563, 5448..5564, 5464..5571, 5651..5809, 5670..5966, 5706..5984		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	5253	End	5525

GI	none	Score	274
Exons	5253..5525, 5262..5354, 5273..5365, 5420..5524		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	5532	End	5966
GI	none	Score	56
Exons	5532..5585, 5669..5725, 5670..5966, 5750..5818, 5870..5965		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	6552	End	7205
GI	none	Score	49
Exons	6552..6581, 6588..6734, 6590..6736, 6738..6755, 6755..6829, 6756..6830, 6854..6898, 6855..6920, 7034..7126, 7038..7124, 7059..7169, 7115..7204, 7128..7205		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o4.tm	Method	TBLASTX:Maize
Start	7916	End	8326
GI	none	Score	56
Exons	7916..7951, 7917..7952, 8029..8100, 8034..8102, 8145..8252, 8215..8256, 8218..8301, 8219..8326		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o2.tc	Method	TBLASTX:Cress
Start	7917	End	8520
GI	none	Score	50
Exons	7917..7955, 8029..8067, 8212..8295, 8216..8395, 8228..8395, 8463..8504, 8464..8520		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	8218	End	8568
GI	none	Score	253
Exons	8218..8301, 8219..8395, 8464..8568		

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	8542	End	13059
GI	none	Score	38
Exons	8542..8568, 8647..8757, 8648..8743, 8667..8747, 10014..10109, 10015..10104, 10883..10984, 10890..10994, 10890..10991, 11198..11278, 11199..11273, 11200..11277, 11386..11475, 11402..11473, 12164..12226, 12165..12224, 12166..12228,		

12166..12225, 12691..12768, 12697..12768, 12698..12769,
12699..12779, 12732..12779, 12875..13057, 12886..13053,
12888..13058, 12889..13059

Seq. No.	21746	Seq. ID	OJ990405_12.9819.C14
Gene No.	45382	Strand	-
Start	17570	End	17806
Name	OJ990405_12.9819.C14.o3.gs	Method	GENSCAN
Start	17570	End	17806
GI	none	Score	.55
Exons	17570..17806		

Seq. No.	21747	Seq. ID	OJ990405_12.9819.C15
Gene No.	45383	Strand	+
Start	245	End	1935
Name	OJ990405_12.9819.C15.o1.gs	Method	GENSCAN
Start	245	End	1935
GI	none	Score	.46
Exons	245..331, 1615..1935		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o1.gs	Method	GENSCAN
Start	588	End	8156
GI	none	Score	.76
Exons	588..745, 751..945, 2661..2817, 2891..3193, 5274..5447, 5536..5610, 6073..6147, 6242..6449, 7331..7409, 8037..8156		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o1.gp	Method	AAT/GAP
Start	1004	End	1178
GI	LIB3433-026-P1-K1-C1	Score	233
Exons	1004..1178		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o1.np	Method	AAT/NAP
Start	1558	End	3111
GI	6063554	Score	153
Exons	1558..1729, 2784..2836, 2921..3111		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o2.gp	Method	AAT/GAP
Start	4846	End	7435
GI	12948_1.R1084	Score	2080
Exons	4846..5171, 5274..5447, 5536..5610, 5702..5782, 5901..5975,		

6073..6147, 6242..6449, 7331..7435
GI Descrip. '5734616/dbj|AP000391.1|AP000391 5.0e-95 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	5053	End	5403
GI	none	Score	58
Exons	5053..5172, 5112..5174, 5114..5173, 5271..5402, 5278..5400, 5278..5403		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	5145	End	5453
GI	none	Score	40
Exons	5145..5174, 5146..5172, 5268..5396, 5271..5453, 5275..5445		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o2.np	Method	AAT/NAP
Start	5232	End	6436
GI	3386621	Score	699
Exons	5232..5454, 5543..5610, 5702..5782, 5901..5975, 6073..6147, 6242..6436		

GI Descrip. (AC004665) unknown protein [Arabidopsis thaliana]

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	5271	End	6433
GI	none	Score	191
Exons	5271..5453, 5278..5448, 5537..5608, 5541..5609, 5685..5783, 5694..5783, 5699..5785, 5901..5954, 5901..5978, 5902..5976, 6073..6156, 6074..6148, 6078..6149, 6242..6433, 6243..6389		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	5271	End	5450
GI	none	Score	164
Exons	5271..5450, 5272..5448		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	5406	End	6284
GI	none	Score	50
Exons	5406..5453, 5407..5448, 5519..5656, 5541..5609, 5694..5783, 5699..5785, 5702..5785, 5901..5978, 5902..5976, 5903..5977,		

6073..6156, 6074..6148, 6075..6149, 6242..6283, 6243..6284

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	5699	End	6436
GI	none	Score	83
Exons	5699..5785, 5899..5976, 5901..5978, 6073..6156, 6074..6154, 6242..6415, 6242..6436		

Seq. No.	21748	Seq. ID	OJ990405_12.9819.C16
Gene No.	45384	Strand	-
Start	588	End	8156
Name	OJ990405_12.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	5699	End	6433
GI	none	Score	76
Exons	5699..5785, 5901..5978, 5908..5976, 6073..6156, 6074..6154, 6242..6433, 6243..6389, 6364..6432		

Seq. No.	21749	Seq. ID	OJ990405_12.9819.C17
Gene No.	45385	Strand	+
Start	881	End	1055
Name	OJ990405_12.9819.C17.o1.np	Method	AAT/NAP
Start	881	End	1055
GI	5734621	Score	145
Exons	881..1055		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	21750	Seq. ID	OJ990405_12.9819.C19
Gene No.	45386	Strand	+
Start	5133	End	7519
Name	OJ990405_12.9819.C19.o2.gs	Method	GENSCAN
Start	5133	End	7253
GI	none	Score	.84
Exons	5133..5390, 6094..6306, 6886..7039, 7192..7253		

Seq. No.	21750	Seq. ID	OJ990405_12.9819.C19
Gene No.	45386	Strand	+
Start	5133	End	7519
Name	OJ990405_12.9819.C19.o2.np	Method	AAT/NAP
Start	5133	End	7519
GI	5734621	Score	1100
Exons	5133..5390, 6094..6306, 6853..7039, 7192..7248, 7467..7519		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	21750	Seq. ID	OJ990405_12.9819.C19
Gene No.	45386	Strand	+
Start	5133	End	7519
Name	OJ990405_12.9819.C19.o1.gp	Method	AAT/GAP
Start	5241	End	7029
GI	99213_1.R1084	Score	1032
Exons	5241..5390, 6094..6306, 6853..7029		

GI Descrip.	'5734621/dbj|BAA83352.1| 5.0e-77 (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]'		
Seq. No.	21750	Seq. ID	OJ990405_12.9819.C19
Gene No.	45387	Strand	-
Start	1	End	3100
Name	OJ990405_12.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	3100
GI	6911869	Score	360
Exons	1..128, 1517..1621, 1966..2057, 2748..2846, 2971..3100		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		
Seq. No.	21751	Seq. ID	OJ990405_12.9819.C20
Gene No.	45388	Strand	+
Start	137	End	390
Name	OJ990405_12.9819.C20.o1.gp	Method	AAT/GAP
Start	137	End	390
GI	12948_1.R1084	Score	249
Exons	137..224, 316..390		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 5.0e-95 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	21751	Seq. ID	OJ990405_12.9819.C20
Gene No.	45389	Strand	+
Start	316	End	390
Name	OJ990405_12.9819.C20.o1.gs	Method	GENSCAN
Start	316	End	390
GI	none	Score	.59
Exons	316..390		
Seq. No.	21752	Seq. ID	OJ990405_12.9819.C21
Gene No.	45390	Strand	+
Start	454	End	589
Name	OJ990405_12.9819.C21.o1.gp	Method	AAT/GAP
Start	454	End	510
GI	LIB3433-040-P1-K1-C8	Score	91
Exons	454..510		
GI Descrip.	'5734621/dbj|BAA83352.1| 2.0e-80 (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]'		
Seq. No.	21752	Seq. ID	OJ990405_12.9819.C21
Gene No.	45390	Strand	+
Start	454	End	589
Name	OJ990405_12.9819.C21.o1.gs	Method	GENSCAN
Start	454	End	589
GI	none	Score	.83
Exons	454..589		
Seq. No.	21753	Seq. ID	OJ990405_12.9819.C22
Gene No.	45391	Strand	+
Start	1	End	863
Name	OJ990405_12.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	863

GI	6403492	Score	296
Exons	1..217, 304..413, 495..863		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	21753	Seq. ID	OJ990405_12.9819.C22
Gene No.	45391	Strand	+
Start	1	End	863
Name	OJ990405_12.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	291	End	613
GI	none	Score	130
Exons	291..416, 304..414, 305..418, 472..612, 479..613		

Seq. No.	21753	Seq. ID	OJ990405_12.9819.C22
Gene No.	45391	Strand	+
Start	1	End	863
Name	OJ990405_12.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	299	End	640
GI	none	Score	176
Exons	299..418, 304..414, 305..415, 306..431, 472..612, 479..613, 494..640		

Seq. No.	21753	Seq. ID	OJ990405_12.9819.C22
Gene No.	45391	Strand	+
Start	1	End	863
Name	OJ990405_12.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	299	End	604
GI	none	Score	174
Exons	299..418, 304..414, 472..603, 479..604, 494..604		

Seq. No.	21753	Seq. ID	OJ990405_12.9819.C22
Gene No.	45391	Strand	+
Start	1	End	863
Name	OJ990405_12.9819.C22.o1.gp	Method	AAT/GAP
Start	392	End	609
GI	53223_1.R1084	Score	220
Exons	392..413, 495..609		
GI Descrip.	'5734620/dbj|BAA83351.1| 1.0e-20 (AP000391) ESTs AU077435(C12539),C26534(C12539) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	21754	Seq. ID	OJ990405_12.9819.C23
Gene No.	45392	Strand	+
Start	336	End	517
Name	OJ990405_12.9819.C23.o1.gs	Method	GENSCAN
Start	336	End	517
GI	none	Score	.89
Exons	336..517		

Seq. No.	21755	Seq. ID	OJ990305_04.9819.C2
Gene No.	45393	Strand	-
Start	331	End	762
Name	OJ990305_04.9819.C2.o1.np	Method	AAT/NAP
Start	331	End	762
GI	4680203	Score	279
Exons	331..762		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	21755	Seq. ID	OJ990305_04.9819.C2
Gene No.	45393	Strand	-
Start	331	End	762
Name	OJ990305_04.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	419	End	739
GI	none	Score	107
Exons	419..475, 496..540, 549..653,	550..657,	676..735, 677..739

Seq. No.	21756	Seq. ID	OJ990305_04.9819.C4
Gene No.	45394	Strand	-
Start	762	End	2712
Name	OJ990305_04.9819.C4.o1.gs	Method	GENSCAN
Start	762	End	2653
GI	none	Score	.5
Exons	762..800, 2235..2297, 2471..2653		

Seq. No.	21756	Seq. ID	OJ990305_04.9819.C4
Gene No.	45394	Strand	-
Start	762	End	2712
Name	OJ990305_04.9819.C4.o1.np	Method	AAT/NAP
Start	1031	End	2712
GI	6539588	Score	220
Exons	1031..1055, 2397..2712		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	21757	Seq. ID	OJ990305_04.9819.C6
Gene No.	45395	Strand	-
Start	46	End	577
Name	OJ990305_04.9819.C6.o1.gs	Method	GENSCAN
Start	46	End	577
GI	none	Score	.44
Exons	46..577		

Seq. No.	21758	Seq. ID	OJ990305_04.9819.C7
Gene No.	45396	Strand	+
Start	827	End	1144
Name	OJ990305_04.9819.C7.o1.gs	Method	GENSCAN
Start	827	End	1144
GI	none	Score	.5
Exons	827..978, 1093..1144		

Seq. No.	21758	Seq. ID	OJ990305_04.9819.C7
Gene No.	45397	Strand	-
Start	1408	End	1694
Name	OJ990305_04.9819.C7.o2.gs	Method	GENSCAN
Start	1408	End	1694
GI	none	Score	.86
Exons	1408..1559, 1601..1694		

Seq. No.	21759	Seq. ID	OJ990305_04.9819.C10
Gene No.	45398	Strand	+
Start	2906	End	3029
Name	OJ990305_04.9819.C10.o1.gs	Method	GENSCAN
Start	2906	End	3029
GI	none	Score	.69
Exons	2906..3029		

Seq. No.	21759	Seq. ID	OJ990305_04.9819.C10
Gene No.	45399	Strand	-
Start	1	End	2796
Name	OJ990305_04.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	2796
GI	5852093	Score	56
Exons	1..34, 1305..1411, 2745..2796		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	21760	Seq. ID	OJ990305_04.9819.C11
Gene No.	45400	Strand	+
Start	1281	End	1493
Name	OJ990305_04.9819.C11.o1.gs	Method	GENSCAN
Start	1281	End	1493
GI	none	Score	.41
Exons	1281..1493		

Seq. No.	21761	Seq. ID	OJ990305_04.9819.C13
Gene No.	45401	Strand	-
Start	1	End	691
Name	OJ990305_04.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	691
GI	3645899	Score	271
Exons	1..691		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	21761	Seq. ID	OJ990305_04.9819.C13
Gene No.	45401	Strand	-
Start	1	End	691
Name	OJ990305_04.9819.C13.o1.gs	Method	GENSCAN
Start	44	End	688
GI	none	Score	.63
Exons	44..688		

Seq. No.	21762	Seq. ID	OJ990305_04.9819.C15
Gene No.	45402	Strand	-
Start	1	End	333
Name	OJ990305_04.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	333
GI	6539585	Score	92
Exons	1..25, 157..333		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	21762	Seq. ID	OJ990305_04.9819.C15
Gene No.	45403	Strand	-
Start	464	End	574
Name	OJ990305_04.9819.C15.o2.np	Method	AAT/NAP
Start	464	End	574
GI	6539588	Score	70
Exons	464..574		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	21763	Seq. ID	OJ990305_04.9819.C17
Gene No.	45404	Strand	+
Start	144	End	764
Name	OJ990305_04.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	132	End	442

GI	none	Score	45
Exons	132..191, 145..390, 167..442		

Seq. No.	21763	Seq. ID	OJ990305_04.9819.C17
Gene No.	45404	Strand	+
Start	144	End	764
Name	OJ990305_04.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	143	End	442
GI	none	Score	45
Exons	143..190, 144..191, 166..420, 167..442		

Seq. No.	21763	Seq. ID	OJ990305_04.9819.C17
Gene No.	45404	Strand	+
Start	144	End	764
Name	OJ990305_04.9819.C17.o1.np	Method	AAT/NAP
Start	144	End	764
GI	6016726	Score	277
Exons	144..444, 723..764		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana] gi|6091713|gb|AAF03425.1|AC010797_1 (AC010797) unknown protein [Arabidopsis thaliana]		

Seq. No.	21763	Seq. ID	OJ990305_04.9819.C17
Gene No.	45404	Strand	+
Start	144	End	764
Name	OJ990305_04.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	167	End	442
GI	none	Score	282
Exons	167..442, 178..411		

Seq. No.	21763	Seq. ID	OJ990305_04.9819.C17
Gene No.	45404	Strand	+
Start	144	End	764
Name	OJ990305_04.9819.C17.o1.gs	Method	GENSCAN
Start	245	End	444
GI	none	Score	.86
Exons	245..444		

Seq. No.	21764	Seq. ID	OJ990305_04.9819.C19
Gene No.	45405	Strand	+
Start	212	End	2089
Name	OJ990305_04.9819.C19.o1.gs	Method	GENSCAN
Start	212	End	2089
GI	none	Score	.52
Exons	212..275, 281..323, 1047..1071, 1979..2089		

Seq. No.	21765	Seq. ID	OJ990305_04.9819.C21
Gene No.	45406	Strand	-
Start	66	End	399
Name	OJ990305_04.9819.C21.o1.gs	Method	GENSCAN
Start	66	End	399
GI	none	Score	.5
Exons	66..139, 192..399		

Seq. No.	21766	Seq. ID	OJ990305_04.9819.C22
Gene No.	45407	Strand	+
Start	1123	End	1249

Name	OJ990305_04.9819.C22.o1.gs	Method	GENSCAN
Start	1123	End	1249
GI	none	Score	.54
Exons	1123..1249		

Seq. No.	21767	Seq. ID	OJ990305_04.9819.C25
Gene No.	45408	Strand	+
Start	219	End	2188
Name	OJ990305_04.9819.C25.o1.gs	Method	GENSCAN
Start	219	End	2188
GI	none	Score	.98
Exons	219..277, 1919..2057, 2096..2188		

Seq. No.	21768	Seq. ID	OJ990305_04.9819.C26
Gene No.	45409	Strand	+
Start	370	End	2792
Name	OJ990305_04.9819.C26.o1.gs	Method	GENSCAN
Start	370	End	1904
GI	none	Score	.84
Exons	370..646, 1587..1904		

Seq. No.	21768	Seq. ID	OJ990305_04.9819.C26
Gene No.	45409	Strand	+
Start	370	End	2792
Name	OJ990305_04.9819.C26.o1.gp	Method	AAT/GAP
Start	1220	End	1283
GI	2312838	Score	79
Exons	1220..1283		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	21768	Seq. ID	OJ990305_04.9819.C26
Gene No.	45409	Strand	+
Start	370	End	2792
Name	OJ990305_04.9819.C26.o2.np	Method	AAT/NAP
Start	1579	End	2792
GI	4902849	Score	207
Exons	1579..1863, 2764..2792		
GI Descrip.	(AJ006940) phosphoribosyl pyrophosphate synthase [Spinacia oleracea]		

Seq. No.	21768	Seq. ID	OJ990305_04.9819.C26
Gene No.	45409	Strand	+
Start	370	End	2792
Name	OJ990305_04.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	1637	End	1856
GI	none	Score	143
Exons	1637..1771, 1653..1766, 1769..1855, 1770..1856		

Seq. No.	21768	Seq. ID	OJ990305_04.9819.C26
Gene No.	45409	Strand	+
Start	370	End	2792
Name	OJ990305_04.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	1655	End	1856
GI	none	Score	152
Exons	1655..1771, 1656..1766, 1769..1855, 1770..1856		

Seq. No.	21769	Seq. ID	OJ990305_04.9819.C27
Gene No.	45410	Strand	+
Start	780	End	893
Name	OJ990305_04.9819.C27.o1.gs	Method	GENSCAN
Start	780	End	893
GI	none	Score	.43
Exons	780..893		

Seq. No.	21770	Seq. ID	OJ990305_04.9819.C29
Gene No.	45411	Strand	+
Start	789	End	2051
Name	OJ990305_04.9819.C29.o1.gs	Method	GENSCAN
Start	789	End	2051
GI	none	Score	.65
Exons	789..891, 1136..1181, 1710..2051		

Seq. No.	21771	Seq. ID	OJ990305_04.9819.C30
Gene No.	45412	Strand	+
Start	1	End	1857
Name	OJ990305_04.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	1857
GI	4512666	Score	443
Exons	1..34, 348..704, 790..948, 1084..1200, 1267..1472, 1815..1857		
GI Descrip.	(AC006931) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	21771	Seq. ID	OJ990305_04.9819.C30
Gene No.	45412	Strand	+
Start	1	End	1857
Name	OJ990305_04.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	283	End	870
GI	none	Score	189
Exons	283..447, 291..446, 409..564, 412..564, 417..569, 567..701, 569..703, 570..686, 572..703, 613..711, 787..870, 796..864		

Seq. No.	21771	Seq. ID	OJ990305_04.9819.C30
Gene No.	45412	Strand	+
Start	1	End	1857
Name	OJ990305_04.9819.C30.o1.gs	Method	GENSCAN
Start	286	End	1415
GI	none	Score	.76
Exons	286..704, 790..948, 1267..1415		

Seq. No.	21771	Seq. ID	OJ990305_04.9819.C30
Gene No.	45412	Strand	+
Start	1	End	1857
Name	OJ990305_04.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	339	End	1386
GI	none	Score	121
Exons	339..455, 376..507, 382..492, 608..703, 609..686, 781..951, 787..948, 1081..1206, 1264..1386		

Seq. No.	21771	Seq. ID	OJ990305_04.9819.C30
Gene No.	45412	Strand	+
Start	1	End	1857
Name	OJ990305_04.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	847	End	1413
GI	none	Score	126

Exons	847..948, 848..949, 1068..1199, 1069..1206, 1264..1413		
Seq. No.	21771	Seq. ID	OJ990305_04.9819.C30
Gene No.	45412	Strand	+
Start	1	End	1857
Name	OJ990305_04.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	875	End	1420
GI	none	Score	95
Exons	875..949, 877..948, 927..953, 1077..1205, 1078..1206, 1081..1209, 1264..1413, 1264..1410, 1265..1420		
Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	2273
GI	2443329	Score	510
Exons	1..27, 261..352, 380..684, 1026..1656, 1755..1839, 1937..2005, 2226..2273		
GI Descrip.	(D86122) Mei2-like protein [Arabidopsis thaliana]		
Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o3.tm	Method	TBLASTX:Maize
Start	73	End	400
GI	none	Score	122
Exons	73..168, 75..167, 78..170, 244..399, 245..400		
Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o1.gs	Method	GENSCAN
Start	212	End	1566
GI	none	Score	.62
Exons	212..698, 1001..1566		
Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o1.gp	Method	AAT/GAP
Start	372	End	1264
GI	35138_1.R1084	Score	1142
Exons	372..698, 1001..1264		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 2.0e-55 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	455	End	2026
GI	none	Score	76
Exons	455..598, 1051..1149, 1216..1377, 1221..1343, 1444..1500, 1568..1657, 1568..1669, 1750..1839, 1752..1838, 1765..1839, 1930..1998, 1931..2005, 1931..2026		

Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	477	End	690
GI	none	Score	301
Exons	477..689, 479..688, 556..690		

Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	1237	End	2026
GI	none	Score	315
Exons	1237..1455, 1239..1445, 1243..1452, 1245..1463, 1447..1533, 1449..1562, 1449..1562, 1450..1563, 1562..1660, 1564..1653, 1565..1657, 1750..1839, 1752..1838, 1756..1839, 1931..2005, 1931..2026		

Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	1282	End	1674
GI	none	Score	100
Exons	1282..1398, 1311..1397, 1444..1491, 1501..1551, 1565..1657, 1621..1674		

Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o2.gp	Method	AAT/GAP
Start	1514	End	2005
GI	2427568	Score	513
Exons	1514..1656, 1755..1839, 1937..2005		
GI Descrip.	2443329/dbj|BAA22374| 4.0e-52 (D86122) Mei2-like protein [Arabidopsis thaliana]		

Seq. No.	21772	Seq. ID	OJ990305_04.9819.C31
Gene No.	45413	Strand	+
Start	1	End	2273
Name	OJ990305_04.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	1519	End	2007
GI	none	Score	44
Exons	1519..1560, 1562..1657, 1565..1669, 1750..1839, 1752..1838, 1765..1839, 1930..2001, 1931..2005, 1935..2006, 1936..2007		

Seq. No.	21773	Seq. ID	OJ990305_04.9819.C32
Gene No.	45414	Strand	+
Start	12	End	1279
Name	OJ990305_04.9819.C32.o1.gp	Method	AAT/GAP
Start	12	End	1279
GI	10774_1.R1084	Score	1549
Exons	12..49, 483..1279		
GI Descrip.	'2443329/dbj|BAA22374| 5.0e-63 (D86122) Mei2-like protein [Arabidopsis thaliana]'		

Seq. No.	21773	Seq. ID	OJ990305_04.9819.C32
Gene No.	45415	Strand	-
Start	452	End	2831
Name	OJ990305_04.9819.C32.o1.gs	Method	GENSCAN
Start	452	End	2831
GI	none	Score	.47
Exons	452..493, 888..1006, 2139..2653, 2665..2831		

Seq. No.	21773	Seq. ID	OJ990305_04.9819.C32
Gene No.	45415	Strand	-
Start	452	End	2831
Name	OJ990305_04.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	455	End	1189
GI	none	Score	141
Exons	455..631, 479..631, 480..632, 484..633, 650..688, 758..790, 760..846, 784..804, 856..924, 858..923, 897..926, 914..952, 921..956, 922..957, 964..1002, 968..1003, 969..1001, 970..1014, 1051..1077, 1052..1078, 1060..1173, 1064..1189, 1085..1168		

Seq. No.	21774	Seq. ID	OJ990305_04.9819.C33
Gene No.	45416	Strand	+
Start	180	End	416
Name	OJ990305_04.9819.C33.o1.gp	Method	AAT/GAP
Start	180	End	416
GI	none	Score	451
Exons	180..416		

Seq. No.	21774	Seq. ID	OJ990305_04.9819.C33
Gene No.	45416	Strand	+
Start	180	End	416
Name	OJ990305_04.9819.C33.o1.gs	Method	GENSCAN
Start	315	End	416
GI	none	Score	.87
Exons	315..416		

Seq. No.	21775	Seq. ID	OJ990305_04.9819.C34
Gene No.	45417	Strand	+
Start	253	End	500
Name	OJ990305_04.9819.C34.o1.gp	Method	AAT/GAP
Start	253	End	500
GI	none	Score	436
Exons	253..500		

Seq. No.	21775	Seq. ID	OJ990305_04.9819.C34
Gene No.	45417	Strand	+
Start	253	End	500
Name	OJ990305_04.9819.C34.o1.gs	Method	GENSCAN
Start	388	End	489
GI	none	Score	.93
Exons	388..489		

Seq. No.	21776	Seq. ID	OJ990305_04.9819.C37
Gene No.	45418	Strand	-
Start	3707	End	4267
Name	OJ990305_04.9819.C37.o2.gs	Method	GENSCAN
Start	3707	End	4267
GI	none	Score	.79

Exons	3707..4267		
Seq. No.	21777	Seq. ID	OJ990305_04.9819.C38
Gene No.	45419	Strand	+
Start	1151	End	1320
Name	OJ990305_04.9819.C38.o1.gs	Method	GENSCAN
Start	1151	End	1320
GI	none	Score	.46
Exons	1151..1320		
Seq. No.	21777	Seq. ID	OJ990305_04.9819.C38
Gene No.	45420	Strand	-
Start	2440	End	4424
Name	OJ990305_04.9819.C38.o2.gs	Method	GENSCAN
Start	2440	End	4424
GI	none	Score	.72
Exons	2440..2656, 4405..4424		
Seq. No.	21778	Seq. ID	OJ990305_04.9819.C39
Gene No.	45421	Strand	-
Start	1	End	2223
Name	OJ990305_04.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	2223
GI	4680203	Score	905
Exons	1..948, 2170..2223		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	21778	Seq. ID	OJ990305_04.9819.C39
Gene No.	45421	Strand	-
Start	1	End	2223
Name	OJ990305_04.9819.C39.o1.gs	Method	GENSCAN
Start	140	End	948
GI	none	Score	.67
Exons	140..565, 589..727, 827..948		
Seq. No.	21778	Seq. ID	OJ990305_04.9819.C39
Gene No.	45421	Strand	-
Start	1	End	2223
Name	OJ990305_04.9819.C39.o1.ts	Method	TBLASTX:Soybean
Start	188	End	475
GI	none	Score	100
Exons	188..475, 261..437		
Seq. No.	21778	Seq. ID	OJ990305_04.9819.C39
Gene No.	45421	Strand	-
Start	1	End	2223
Name	OJ990305_04.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	239	End	595
GI	none	Score	213
Exons	239..508, 246..500, 247..507, 491..595, 505..570		
Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45422	Strand	+
Start	1	End	1306
Name	OJ990305_04.9819.C41.o1.np	Method	AAT/NAP
Start	1	End	1270
GI	3152568	Score	1005

Exons	1..1270
GI Descrip.	(AC002986) Similar to hypothetical protein product gb|Z97337 from A. thaliana. EST gb|H76597 comes from this gene. [Arabidopsis thaliana]

Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45422	Strand	+
Start	1	End	1306
Name	OJ990305_04.9819.C41.o1.gs	Method	GENSCAN
Start	77	End	1306
GI	none	Score	.9
Exons	77..1306		

Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45423	Strand	-
Start	1211	End	1722
Name	OJ990305_04.9819.C41.o1.ts	Method	TBLASTX:Soybean
Start	59	End	529
GI	none	Score	278
Exons	59..322, 61..321, 330..467, 362..529, 368..523		

Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45423	Strand	-
Start	1211	End	1722
Name	OJ990305_04.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	107	End	1556
GI	none	Score	167
Exons	107..235, 116..232, 236..1306, 240..584, 241..1317, 242..1306, 930..1316, 1383..1406, 1389..1409, 1479..1514, 1539..1556		

Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45423	Strand	-
Start	1211	End	1722
Name	OJ990305_04.9819.C41.o1.tc	Method	TBLASTX:Cress
Start	113	End	757
GI	none	Score	221
Exons	113..322, 115..321, 236..361, 322..399, 362..580, 487..579, 598..756, 599..757		

Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45423	Strand	-
Start	1211	End	1722
Name	OJ990305_04.9819.C41.o2.ts	Method	TBLASTX:Soybean
Start	698	End	955
GI	none	Score	318
Exons	698..955, 700..954		

Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45423	Strand	-
Start	1211	End	1722
Name	OJ990305_04.9819.C41.o1.tw	Method	TBLASTX:Wheat
Start	1072	End	1288
GI	none	Score	225
Exons	1072..1284, 1073..1288		

Seq. No.	21779	Seq. ID	OJ990305_04.9819.C41
Gene No.	45423	Strand	-

Start	1211	End	1722
Name	OJ990305_04.9819.C41.o1.gp	Method	AAT/GAP
Start	1211	End	1722
GI	none	Score	919
Exons	1211..1722		

Seq. No.	21780	Seq. ID	OJ990305_04.9819.C42
Gene No.	45424	Strand	-
Start	536	End	676
Name	OJ990305_04.9819.C42.o1.gs	Method	GENSCAN
Start	536	End	676
GI	none	Score	.73
Exons	536..676		

Seq. No.	21781	Seq. ID	OJ990305_04.9819.C45
Gene No.	45425	Strand	+
Start	182	End	439
Name	OJ990305_04.9819.C45.o1.gs	Method	GENSCAN
Start	182	End	439
GI	none	Score	.97
Exons	182..439		

Seq. No.	21781	Seq. ID	OJ990305_04.9819.C45
Gene No.	45425	Strand	+
Start	182	End	439
Name	OJ990305_04.9819.C45.o1.np	Method	AAT/NAP
Start	185	End	436
GI	2459437	Score	177
Exons	185..436		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46
Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o1.np	Method	AAT/NAP
Start	1	End	1853
GI	1402890	Score	729
Exons	1..21, 1089..1853		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46
Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o1.gp	Method	AAT/GAP
Start	702	End	1063
GI	none	Score	420
Exons	702..751, 876..1063		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46
Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o1.gs	Method	GENSCAN
Start	855	End	2718
GI	none	Score	.61
Exons	855..2129, 2216..2304, 2601..2718		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46

Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o2.ts	Method	TBLASTX:Soybean
Start	1071	End	1335
GI	none	Score	131
Exons	1071..1205, 1097..1204, 1155..1334, 1189..1335, 1189..1326, 1191..1334		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46
Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o2.tm	Method	TBLASTX:Maize
Start	1239	End	1502
GI	none	Score	454
Exons	1239..1502, 1240..1494, 1242..1502		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46
Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o2.gp	Method	AAT/GAP
Start	1283	End	1824
GI	LIB3477-007-P1-K1-E7	Score	1036
Exons	1283..1824		
GI Descrip.	'1402890/emb|CAA66822| 1.0e-56 (X98130) unknown [Arabidopsis thaliana]'		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46
Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	1335	End	2721
GI	none	Score	410
Exons	1335..1655, 1335..1595, 1337..1657, 1649..1858, 1650..1862, 1729..1866, 2213..2311, 2214..2294, 2221..2310, 2602..2721, 2613..2711		

Seq. No.	21782	Seq. ID	OJ990305_04.9819.C46
Gene No.	45426	Strand	+
Start	1	End	2721
Name	OJ990305_04.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	1503	End	2718
GI	none	Score	171
Exons	1503..1649, 1505..1666, 1506..1667, 1628..1780, 1641..1787, 1650..1793, 1730..1966, 1773..1973, 1782..1979, 1783..1974, 1783..1980, 1974..2090, 1976..2131, 1977..2132, 2203..2301, 2213..2305, 2214..2300, 2215..2304, 2596..2718, 2604..2714, 2605..2718		

Seq. No.	21783	Seq. ID	OJ990305_04.9819.C47
Gene No.	45427	Strand	+
Start	1165	End	1223
Name	OJ990305_04.9819.C47.o1.gp	Method	AAT/GAP
Start	1165	End	1223
GI	31452_1.R1084	Score	79
Exons	1165..1223		
GI Descrip.	'2244855/emb|CAB10277.1| 5.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	21784	Seq. ID	OJ990305_04.9819.C48
Gene No.	45428	Strand	+
Start	1	End	1462
Name	OJ990305_04.9819.C48.o2.np	Method	AAT/NAP
Start	1	End	1462
GI	3152568	Score	553
Exons	1..36, 260..1462		
GI Descrip.	(AC002986) Similar to hypothetical protein product gb|Z97337 from A. thaliana. EST gb|H76597 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	21784	Seq. ID	OJ990305_04.9819.C48
Gene No.	45428	Strand	+
Start	1	End	1462
Name	OJ990305_04.9819.C48.o1.np	Method	AAT/NAP
Start	251	End	1462
GI	2244855	Score	462
Exons	251..916, 968..1462		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	21784	Seq. ID	OJ990305_04.9819.C48
Gene No.	45428	Strand	+
Start	1	End	1462
Name	OJ990305_04.9819.C48.o1.gp	Method	AAT/GAP
Start	260	End	823
GI	31452_1.R1084	Score	1047
Exons	260..823		
GI Descrip.	'2244855/emb|CAB10277.1| 5.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	21784	Seq. ID	OJ990305_04.9819.C48
Gene No.	45428	Strand	+
Start	1	End	1462
Name	OJ990305_04.9819.C48.o2.tm	Method	TBLASTX:Maize
Start	289	End	560
GI	none	Score	98
Exons	289..384, 302..364, 328..396, 328..456, 357..398, 391..465, 395..499, 395..499, 396..500, 396..503, 421..465, 425..496, 470..550, 473..559, 505..558, 505..549, 507..560		

Seq. No.	21784	Seq. ID	OJ990305_04.9819.C48
Gene No.	45428	Strand	+
Start	1	End	1462
Name	OJ990305_04.9819.C48.o1.tm	Method	TBLASTX:Maize
Start	859	End	1434
GI	none	Score	73
Exons	859..948, 938..1051, 950..1027, 959..1186, 983..1186, 993..1199, 997..1203, 1126..1434, 1206..1433		

Seq. No.	21784	Seq. ID	OJ990305_04.9819.C48
Gene No.	45428	Strand	+
Start	1	End	1462
Name	OJ990305_04.9819.C48.o1.ts	Method	TBLASTX:Soybean
Start	1048	End	1461
GI	none	Score	307
Exons	1048..1359, 1049..1186, 1050..1358, 1359..1448, 1399..1461		

Seq. No.	21784	Seq. ID	OJ990305_04.9819.C48
Gene No.	45428	Strand	+
Start	1	End	1462
Name	OJ990305_04.9819.C48.o1.tc	Method	TBLASTX:Cress
Start	1150	End	1461
GI	none	Score	206
Exons	1150..1359, 1152..1358, 1273..1398, 1359..1460, 1399..1461		

Seq. No.	21785	Seq. ID	OJ990305_04.9819.C50
Gene No.	45429	Strand	+
Start	1	End	837
Name	OJ990305_04.9819.C50.o1.np	Method	AAT/NAP
Start	1	End	837
GI	4680203	Score	838
Exons	1..837		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	21785	Seq. ID	OJ990305_04.9819.C50
Gene No.	45429	Strand	+
Start	1	End	837
Name	OJ990305_04.9819.C50.o1.ts	Method	TBLASTX:Soybean
Start	169	End	438
GI	none	Score	222
Exons	169..438, 192..425		

Seq. No.	21785	Seq. ID	OJ990305_04.9819.C50
Gene No.	45429	Strand	+
Start	1	End	837
Name	OJ990305_04.9819.C50.o1.tc	Method	TBLASTX:Cress
Start	177	End	519
GI	none	Score	306
Exons	177..230, 178..519, 270..323, 369..515		

Seq. No.	21785	Seq. ID	OJ990305_04.9819.C50
Gene No.	45429	Strand	+
Start	1	End	837
Name	OJ990305_04.9819.C50.o1.tm	Method	TBLASTX:Maize
Start	178	End	566
GI	none	Score	69
Exons	178..267, 190..267, 283..564, 306..566		

Seq. No.	21785	Seq. ID	OJ990305_04.9819.C50
Gene No.	45429	Strand	+
Start	1	End	837
Name	OJ990305_04.9819.C50.o1.gs	Method	GENSCAN
Start	265	End	624
GI	none	Score	.5
Exons	265..624		

Seq. No.	21785	Seq. ID	OJ990305_04.9819.C50
Gene No.	45429	Strand	+
Start	1	End	837
Name	OJ990305_04.9819.C50.o1.tw	Method	TBLASTX:Wheat
Start	307	End	729
GI	none	Score	67
Exons	307..363, 307..351, 315..359, 360..461, 361..465, 469..567,		

474..566, 480..569, 547..729, 570..728

Seq. No.	21786	Seq. ID	OJ990305_04.9819.C51
Gene No.	45430	Strand	+
Start	1	End	2075
Name	OJ990305_04.9819.C51.o1.np	Method	AAT/NAP
Start	1	End	1393
GI	2281094	Score	186
Exons	1..352, 1370..1393		
GI Descrip.	(AC002333) putative molybdopterin synthase large subunit [Arabidopsis thaliana] gi|4469121|emb|CAB38428| (AJ133519) molybdopterin synthase large subunit [Arabidopsis thaliana] gi|6899949|emb|CAB71291.1| (AJ271728) molybdopterin synthase, large subunit [Arabidopsis thaliana]		

Seq. No.	21786	Seq. ID	OJ990305_04.9819.C51
Gene No.	45430	Strand	+
Start	1	End	2075
Name	OJ990305_04.9819.C51.o1.gs	Method	GENSCAN
Start	4	End	2075
GI	none	Score	.43
Exons	4..337, 2068..2075		

Seq. No.	21787	Seq. ID	OJ990305_04.9819.C52
Gene No.	45431	Strand	+
Start	144	End	329
Name	OJ990305_04.9819.C52.o1.gs	Method	GENSCAN
Start	144	End	329
GI	none	Score	.74
Exons	144..329		

Seq. No.	21788	Seq. ID	OJ990305_04.9819.C53
Gene No.	45432	Strand	+
Start	112	End	1117
Name	OJ990305_04.9819.C53.o1.gs	Method	GENSCAN
Start	112	End	1117
GI	none	Score	.53
Exons	112..242, 551..716, 1094..1117		

Seq. No.	21788	Seq. ID	OJ990305_04.9819.C53
Gene No.	45433	Strand	-
Start	2928	End	4055
Name	OJ990305_04.9819.C53.o2.gs	Method	GENSCAN
Start	2928	End	4055
GI	none	Score	.53
Exons	2928..3047, 3087..3269, 4026..4055		

Seq. No.	21789	Seq. ID	OJ990305_04.9819.C54
Gene No.	45434	Strand	-
Start	1	End	260
Name	OJ990305_04.9819.C54.o1.np	Method	AAT/NAP
Start	1	End	260
GI	5042448	Score	165
Exons	1..260		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	21790	Seq. ID	OJ990305_04.9819.C55
Gene No.	45435	Strand	+
Start	3684	End	4434
Name	OJ990305_04.9819.C55.o1.gs	Method	GENSCAN
Start	3684	End	4434
GI	none	Score	.74
Exons	3684..3753, 4107..4273, 4306..4434		

Seq. No.	21790	Seq. ID	OJ990305_04.9819.C55
Gene No.	45435	Strand	+
Start	3684	End	4434
Name	OJ990305_04.9819.C55.o1.gp	Method	AAT/GAP
Start	4181	End	4273
GI	31452_1.R1084	Score	140
Exons	4181..4273		
GI Descrip.	'2244855/emb|CAB10277.1| 5.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	21791	Seq. ID	OJ990305_04.9819.C56
Gene No.	45436	Strand	-
Start	1152	End	3775
Name	OJ990305_04.9819.C56.o1.gs	Method	GENSCAN
Start	1152	End	3775
GI	none	Score	.89
Exons	1152..1779, 1862..3016, 3122..3375, 3601..3775		

Seq. No.	21791	Seq. ID	OJ990305_04.9819.C56
Gene No.	45436	Strand	-
Start	1152	End	3775
Name	OJ990305_04.9819.C56.o1.np	Method	AAT/NAP
Start	1170	End	3766
GI	4063770	Score	1876
Exons	1170..1780, 1860..3016, 3122..3766		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	21791	Seq. ID	OJ990305_04.9819.C56
Gene No.	45436	Strand	-
Start	1152	End	3775
Name	OJ990305_04.9819.C56.o2.tm	Method	TBLASTX:Maize
Start	1242	End	1559
GI	none	Score	74
Exons	1242..1559, 1243..1401		

Seq. No.	21791	Seq. ID	OJ990305_04.9819.C56
Gene No.	45436	Strand	-
Start	1152	End	3775
Name	OJ990305_04.9819.C56.o1.tm	Method	TBLASTX:Maize
Start	2212	End	2607
GI	none	Score	81
Exons	2212..2289, 2299..2607, 2440..2577		

Seq. No.	21792	Seq. ID	OJ990305_04.9819.C57
Gene No.	45437	Strand	-
Start	20	End	252
Name	OJ990305_04.9819.C57.o1.gs	Method	GENSCAN
Start	20	End	252
GI	none	Score	.6

Exons	20..252		
Seq. No.	21793	Seq. ID	OJ990305_04.9819.C59
Gene No.	45438	Strand	-
Start	972	End	1128
Name	OJ990305_04.9819.C59.o1.gs	Method	GENSCAN
Start	972	End	1128
GI	none	Score	.4
Exons	972..1128		
Seq. No.	21794	Seq. ID	OJ990305_04.9819.C60
Gene No.	45439	Strand	-
Start	4336	End	6728
Name	OJ990305_04.9819.C60.o2.gs	Method	GENSCAN
Start	4336	End	6728
GI	none	Score	.44
Exons	4336..4508, 5063..5200, 6662..6728		
Seq. No.	21795	Seq. ID	OJ990305_04.9819.C62
Gene No.	45440	Strand	-
Start	160	End	582
Name	OJ990305_04.9819.C62.o1.gs	Method	GENSCAN
Start	160	End	582
GI	none	Score	.71
Exons	160..295, 491..582		
Seq. No.	21796	Seq. ID	OJ990305_04.9819.C63
Gene No.	45441	Strand	+
Start	1098	End	3364
Name	OJ990305_04.9819.C63.o1.gs	Method	GENSCAN
Start	1098	End	3364
GI	none	Score	.4
Exons	1098..1345, 2923..3048, 3145..3364		
Seq. No.	21796	Seq. ID	OJ990305_04.9819.C63
Gene No.	45441	Strand	+
Start	1098	End	3364
Name	OJ990305_04.9819.C63.o1.np	Method	AAT/NAP
Start	1768	End	1854
GI	6630699	Score	88
Exons	1768..1854		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	21797	Seq. ID	OJ990305_04.9819.C65
Gene No.	45442	Strand	+
Start	870	End	1255
Name	OJ990305_04.9819.C65.o1.np	Method	AAT/NAP
Start	870	End	1255
GI	141279	Score	115
Exons	870..1010, 1171..1255		
GI Descrip.	HYPOTHETICAL PROLINE-RICH PROTEIN gi|84493|pir||A34043 hypothetical proline-rich protein 1 - polychaete (Owenia fusiformis) (fragment)		
Seq. No.	21797	Seq. ID	OJ990305_04.9819.C65

Gene No.	45442	Strand	+
Start	870	End	1255
Name	OJ990305_04.9819.C65.o1.gs	Method	GENSCAN
Start	1014	End	1220
GI	none	Score	.4
Exons	1014..1220		

Seq. No.	21798	Seq. ID	OJ990305_04.9819.C66
Gene No.	45443	Strand	+
Start	70	End	227
Name	OJ990305_04.9819.C66.o1.gs	Method	GENSCAN
Start	70	End	227
GI	none	Score	.72
Exons	70..227		

Seq. No.	21798	Seq. ID	OJ990305_04.9819.C66
Gene No.	45444	Strand	-
Start	68	End	537
Name	OJ990305_04.9819.C66.o1.gp	Method	AAT/GAP
Start	68	End	537
GI	none	Score	853
Exons	68..537		

Seq. No.	21798	Seq. ID	OJ990305_04.9819.C66
Gene No.	45445	Strand	-
Start	1585	End	1708
Name	OJ990305_04.9819.C66.o1.tm	Method	TBLASTX:Maize
Start	37	End	303
GI	none	Score	80
Exons	37..117, 68..124, 69..125, 134..238, 140..232, 195..239, 277..303, 280..303		

Seq. No.	21798	Seq. ID	OJ990305_04.9819.C66
Gene No.	45445	Strand	-
Start	1585	End	1708
Name	OJ990305_04.9819.C66.o2.gs	Method	GENSCAN
Start	1585	End	1708
GI	none	Score	.93
Exons	1585..1708		

Seq. No.	21799	Seq. ID	OJ990305_04.9819.C67
Gene No.	45446	Strand	-
Start	243	End	842
Name	OJ990305_04.9819.C67.o1.gs	Method	GENSCAN
Start	243	End	842
GI	none	Score	.51
Exons	243..261, 739..842		

Seq. No.	21800	Seq. ID	OJ990305_04.9819.C68
Gene No.	45447	Strand	-
Start	255	End	426
Name	OJ990305_04.9819.C68.o1.gs	Method	GENSCAN
Start	255	End	426
GI	none	Score	.92
Exons	255..426		

Seq. No.	21801	Seq. ID	OJ990305_03.9819.C2

Gene No.	45448	Strand	-
Start	182	End	2880
Name	OJ990305_03.9819.C2.o1.gs	Method	GENSCAN
Start	182	End	2880
GI	none	Score	.58
Exons	182..250, 286..383, 566..610, 633..764, 2741..2880		

Seq. No.	21802	Seq. ID	OJ990305_03.9819.C3
Gene No.	45449	Strand	-
Start	343	End	803
Name	OJ990305_03.9819.C3.o1.gs	Method	GENSCAN
Start	343	End	803
GI	none	Score	.47
Exons	343..437, 673..803		

Seq. No.	21803	Seq. ID	OJ990305_03.9819.C4
Gene No.	45450	Strand	+
Start	134	End	1574
Name	OJ990305_03.9819.C4.o1.gs	Method	GENSCAN
Start	134	End	1574
GI	none	Score	.52
Exons	134..1154, 1160..1574		

Seq. No.	21804	Seq. ID	OJ990305_03.9819.C5
Gene No.	45451	Strand	+
Start	405	End	2315
Name	OJ990305_03.9819.C5.o1.gs	Method	GENSCAN
Start	405	End	2315
GI	none	Score	.75
Exons	405..598, 904..1305, 1555..1674, 2081..2315		

Seq. No.	21804	Seq. ID	OJ990305_03.9819.C5
Gene No.	45451	Strand	+
Start	405	End	2315
Name	OJ990305_03.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	405	End	1287
GI	none	Score	277
Exons	405..599, 428..598, 911..1099, 913..1074, 1198..1287, 1202..1285		

Seq. No.	21804	Seq. ID	OJ990305_03.9819.C5
Gene No.	45451	Strand	+
Start	405	End	2315
Name	OJ990305_03.9819.C5.o1.np	Method	AAT/NAP
Start	405	End	1294
GI	2129771	Score	544
Exons	405..598, 904..1294		
GI Descrip.	xyloglucan endotransglycosylase-related protein XTR-6 - Arabidopsis thaliana gi|1244758 (U43488) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] gi|4539299|emb|CAB39602.1| (AL049480) xyloglucan endo-1, 4-beta-D-glucanase (XTR-6) [Arabidopsis thaliana]		

Seq. No.	21804	Seq. ID	OJ990305_03.9819.C5
Gene No.	45451	Strand	+
Start	405	End	2315
Name	OJ990305_03.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	405	End	1285

GI	none	Score	283
Exons	405..599, 428..595, 911..1099, 913..1074, 1202..1285		

Seq. No.	21804	Seq. ID	OJ990305_03.9819.C5
Gene No.	45451	Strand	+
Start	405	End	2315
Name	OJ990305_03.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	411	End	1288
GI	none	Score	274
Exons	411..599, 428..598, 911..1093, 913..1074, 1202..1288		

Seq. No.	21805	Seq. ID	OJ990305_03.9819.C6
Gene No.	45452	Strand	-
Start	172	End	491
Name	OJ990305_03.9819.C6.o1.gs	Method	GENSCAN
Start	172	End	491
GI	none	Score	.8
Exons	172..344, 485..491		

Seq. No.	21806	Seq. ID	OJ990305_03.9819.C7
Gene No.	45453	Strand	-
Start	684	End	847
Name	OJ990305_03.9819.C7.o1.gs	Method	GENSCAN
Start	684	End	847
GI	none	Score	.49
Exons	684..847		

Seq. No.	21807	Seq. ID	OJ990305_03.9819.C8
Gene No.	45454	Strand	+
Start	1	End	766
Name	OJ990305_03.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	766
GI	4680179	Score	453
Exons	1..228, 262..766		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	21807	Seq. ID	OJ990305_03.9819.C8
Gene No.	45454	Strand	+
Start	1	End	766
Name	OJ990305_03.9819.C8.o1.gs	Method	GENSCAN
Start	130	End	340
GI	none	Score	.67
Exons	130..340		

Seq. No.	21807	Seq. ID	OJ990305_03.9819.C8
Gene No.	45454	Strand	+
Start	1	End	766
Name	OJ990305_03.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	283	End	606
GI	none	Score	187
Exons	283..606		

Seq. No.	21807	Seq. ID	OJ990305_03.9819.C8
Gene No.	45454	Strand	+
Start	1	End	766
Name	OJ990305_03.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	289	End	657

GI	none	Score	164
Exons	289..498, 345..497, 543..656,	544..657	

Seq. No.	21808	Seq. ID	OJ990305_03.9819.C9
Gene No.	45455	Strand	+
Start	772	End	1322
Name	OJ990305_03.9819.C9.o1.gs	Method	GENSCAN
Start	772	End	1322
GI	none	Score	.42
Exons	772..856, 1261..1322		

Seq. No.	21808	Seq. ID	OJ990305_03.9819.C9
Gene No.	45456	Strand	-
Start	1366	End	2610
Name	OJ990305_03.9819.C9.o1.np	Method	AAT/NAP
Start	1366	End	2610
GI	5777617	Score	76
Exons	1366..1469, 2548..2610		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	21808	Seq. ID	OJ990305_03.9819.C9
Gene No.	45456	Strand	-
Start	1366	End	2610
Name	OJ990305_03.9819.C9.o1.gp	Method	AAT/GAP
Start	2416	End	2610
GI	5005380	Score	342
Exons	2416..2610		
GI Descrip.	1890577/emb|CAA63663| 2.0e-20 (X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	21808	Seq. ID	OJ990305_03.9819.C9
Gene No.	45456	Strand	-
Start	1366	End	2610
Name	OJ990305_03.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	2439	End	2579
GI	none	Score	179
Exons	2439..2579, 2440..2574		

Seq. No.	21808	Seq. ID	OJ990305_03.9819.C9
Gene No.	45456	Strand	-
Start	1366	End	2610
Name	OJ990305_03.9819.C9.o2.gs	Method	GENSCAN
Start	2440	End	2550
GI	none	Score	.55
Exons	2440..2550		

Seq. No.	21808	Seq. ID	OJ990305_03.9819.C9
Gene No.	45456	Strand	-
Start	1366	End	2610
Name	OJ990305_03.9819.C9.o2.np	Method	AAT/NAP
Start	2443	End	2610
GI	1890577	Score	223
Exons	2443..2610		
GI Descrip.	(X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45457	Strand	+

Start	940	End	3178
Name	OJ990305_03.9819.C10.o2.gs	Method	GENSCAN
Start	940	End	3178
GI	none	Score	.58
Exons	940..985, 1081..1168, 1222..1406, 2580..2861, 3147..3178		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45457	Strand	+
Start	940	End	3178
Name	OJ990305_03.9819.C10.o1.gp	Method	AAT/GAP
Start	1415	End	2187
GI	4107141	Score	1239
Exons	1415..1447, 1470..2187		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45458	Strand	-
Start	1	End	632
Name	OJ990305_03.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	632
GI	1890577	Score	566
Exons	1..237, 372..632		
GI Descrip.	(X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45458	Strand	-
Start	1	End	632
Name	OJ990305_03.9819.C10.o1.gs	Method	GENSCAN
Start	10	End	632
GI	none	Score	.67
Exons	10..237, 372..632		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45459	Strand	-
Start	2669	End	2968
Name	OJ990305_03.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	45	End	569
GI	none	Score	137
Exons	45..98, 94..243, 95..226, 369..569, 379..486		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45459	Strand	-
Start	2669	End	2968
Name	OJ990305_03.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	45	End	240
GI	none	Score	140
Exons	45..98, 89..226, 94..237, 100..240		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45459	Strand	-
Start	2669	End	2968
Name	OJ990305_03.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	163	End	612
GI	none	Score	76
Exons	163..243, 163..243, 366..599, 373..495, 411..584, 550..612		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45459	Strand	-

Start	2669	End	2968
Name	OJ990305_03.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	352	End	635
GI	none	Score	136
Exons	352..522, 369..635, 382..495, 417..584		

Seq. No.	21809	Seq. ID	OJ990305_03.9819.C10
Gene No.	45459	Strand	-
Start	2669	End	2968
Name	OJ990305_03.9819.C10.o2.gp	Method	AAT/GAP
Start	2669	End	2968
GI	2280891	Score	536
Exons	2669..2968		

Seq. No.	21810	Seq. ID	OJ990305_03.9819.C11
Gene No.	45460	Strand	+
Start	29	End	139
Name	OJ990305_03.9819.C11.o1.gs	Method	GENSCAN
Start	29	End	139
GI	none	Score	.7
Exons	29..139		

Seq. No.	21811	Seq. ID	OJ990305_03.9819.C12
Gene No.	45461	Strand	+
Start	111	End	350
Name	OJ990305_03.9819.C12.o1.gs	Method	GENSCAN
Start	111	End	350
GI	none	Score	.52
Exons	111..150, 192..350		

Seq. No.	21812	Seq. ID	OJ990305_03.9819.C13
Gene No.	45462	Strand	+
Start	1	End	1035
Name	OJ990305_03.9819.C13.o1.gp	Method	AAT/GAP
Start	1	End	369
GI	LIB3431-049-P1-N1-A8	Score	434
Exons	1..174, 265..369		
GI Descrip.	'1890577/emb|CAA63663| 2.0e-20 (X93175) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]'		

Seq. No.	21812	Seq. ID	OJ990305_03.9819.C13
Gene No.	45462	Strand	+
Start	1	End	1035
Name	OJ990305_03.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1035
GI	563235	Score	569
Exons	1..174, 265..458, 902..1035		
GI Descrip.	(U15964) xyloglucan endo-transglycosylase homolog; similar to Triticum aestivum endo-xyloglucan transferase, PIR Accession Number E49539 [Zea mays] gi|563927 (U15781) xyloglucan endo-transglycosylase homolog [Zea mays] gi|1097378|prf||2113418A xyloglucan endotransglycosylase homolog [Zea mays]		

Seq. No.	21812	Seq. ID	OJ990305_03.9819.C13
Gene No.	45462	Strand	+
Start	1	End	1035

Name	OJ990305_03.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	5	End	1007
GI	none	Score	87
Exons	5..64, 17..94, 33..134, 33..173, 34..177, 250..462, 295..351, 300..452, 418..456, 902..931, 903..938, 959..1006, 960..1007		

Seq. No.	21812	Seq. ID	OJ990305_03.9819.C13
Gene No.	45462	Strand	+
Start	1	End	1035
Name	OJ990305_03.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	33	End	1007
GI	none	Score	214
Exons	33..173, 34..180, 265..459, 300..446, 909..950, 957..1007		

Seq. No.	21812	Seq. ID	OJ990305_03.9819.C13
Gene No.	45462	Strand	+
Start	1	End	1035
Name	OJ990305_03.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	33	End	1007
GI	none	Score	225
Exons	33..179, 34..180, 265..462, 300..446, 903..947, 905..946, 956..1006, 957..1007		

Seq. No.	21812	Seq. ID	OJ990305_03.9819.C13
Gene No.	45462	Strand	+
Start	1	End	1035
Name	OJ990305_03.9819.C13.o1.gs	Method	GENSCAN
Start	66	End	1014
GI	none	Score	.77
Exons	66..204, 277..458, 902..1014		

Seq. No.	21813	Seq. ID	OJ990305_03.9819.C14
Gene No.	45463	Strand	+
Start	579	End	779
Name	OJ990305_03.9819.C14.o1.np	Method	AAT/NAP
Start	579	End	779
GI	4680186	Score	333
Exons	579..779		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	21813	Seq. ID	OJ990305_03.9819.C14
Gene No.	45464	Strand	-
Start	331	End	712
Name	OJ990305_03.9819.C14.o1.gp	Method	AAT/GAP
Start	331	End	712
GI	uC-osflcyp033a04b1	Score	651
Exons	331..712		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	21814	Seq. ID	OJ990305_03.9819.C15
Gene No.	45465	Strand	+
Start	1	End	1553
Name	OJ990305_03.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	1553
GI	4544372	Score	363
Exons	1..30, 736..1553		

GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	21814	Seq. ID	OJ990305_03.9819.C15
Gene No.	45465	Strand	+
Start	1	End	1553
Name	OJ990305_03.9819.C15.o1.gs	Method	GENSCAN
Start	198	End	1468
GI	none	Score	.6
Exons	198..343, 718..1468		

Seq. No.	21814	Seq. ID	OJ990305_03.9819.C15
Gene No.	45465	Strand	+
Start	1	End	1553
Name	OJ990305_03.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	737	End	1102
GI	none	Score	195
Exons	737..1102		

Seq. No.	21814	Seq. ID	OJ990305_03.9819.C15
Gene No.	45465	Strand	+
Start	1	End	1553
Name	OJ990305_03.9819.C15.o2.np	Method	AAT/NAP
Start	743	End	1553
GI	629693	Score	361
Exons	743..1553		

GI Descrip. probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]

Seq. No.	21814	Seq. ID	OJ990305_03.9819.C15
Gene No.	45465	Strand	+
Start	1	End	1553
Name	OJ990305_03.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	1139	End	1540
GI	none	Score	221
Exons	1139..1540, 1339..1512		

Seq. No.	21814	Seq. ID	OJ990305_03.9819.C15
Gene No.	45465	Strand	+
Start	1	End	1553
Name	OJ990305_03.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	1322	End	1552
GI	none	Score	215
Exons	1322..1552, 1324..1494		

Seq. No.	21815	Seq. ID	OJ990305_03.9819.C16
Gene No.	45466	Strand	+
Start	50	End	737
Name	OJ990305_03.9819.C16.o1.gs	Method	GENSCAN
Start	50	End	638
GI	none	Score	.59
Exons	50..240, 297..638		

Seq. No.	21815	Seq. ID	OJ990305_03.9819.C16
Gene No.	45466	Strand	+
Start	50	End	737
Name	OJ990305_03.9819.C16.o1.np	Method	AAT/NAP

Start	315	End	737
GI	6721562	Score	482
Exons	315..737		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	2079
GI	6498441	Score	2037
Exons	1..502, 833..1296, 1360..1733, 1917..2079		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o1.gs	Method	GENSCAN
Start	49	End	1359
GI	none	Score	.78
Exons	49..1359		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	717	End	1203
GI	none	Score	408
Exons	717..890, 718..1203, 912..1172, 982..1176		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	1367	End	1830
GI	none	Score	205
Exons	1367..1810, 1368..1823, 1369..1830, 1369..1824		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	1408	End	1773
GI	none	Score	118
Exons	1408..1632, 1639..1773		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o2.gs	Method	GENSCAN
Start	1423	End	1977

GI	none	Score	.97
Exons	1423..1977		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	1498	End	1854
GI	none	Score	389
Exons	1498..1854, 1533..1844, 1549..1854		

Seq. No.	21816	Seq. ID	OJ990305_03.9819.C17
Gene No.	45467	Strand	+
Start	1	End	2079
Name	OJ990305_03.9819.C17.o3.tw	Method	TBLASTX:Wheat
Start	1831	End	1998
GI	none	Score	174
Exons	1831..1998, 1839..1997		

Seq. No.	21817	Seq. ID	OJ990305_03.9819.C18
Gene No.	45468	Strand	-
Start	430	End	1054
Name	OJ990305_03.9819.C18.o1.gp	Method	AAT/GAP
Start	430	End	1054
GI	15803_1.R1084	Score	1161
Exons	430..1054		
GI Descrip.	'3004558 1.0e-42 (AC003673) peroxidase ATP22a [Arabidopsis thaliana]'		

Seq. No.	21817	Seq. ID	OJ990305_03.9819.C18
Gene No.	45468	Strand	-
Start	430	End	1054
Name	OJ990305_03.9819.C18.o1.gs	Method	GENSCAN
Start	653	End	979
GI	none	Score	.78
Exons	653..979		

Seq. No.	21817	Seq. ID	OJ990305_03.9819.C18
Gene No.	45468	Strand	-
Start	430	End	1054
Name	OJ990305_03.9819.C18.o1.np	Method	AAT/NAP
Start	656	End	1054
GI	1620369	Score	264
Exons	656..1054		
GI Descrip.	(Y08781) peroxidase ATP22a [Arabidopsis thaliana]		

Seq. No.	21817	Seq. ID	OJ990305_03.9819.C18
Gene No.	45468	Strand	-
Start	430	End	1054
Name	OJ990305_03.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	668	End	1053
GI	none	Score	302
Exons	668..700, 678..986, 698..985, 933..1022, 1027..1053, 1027..1050, 1028..1051		

Seq. No.	21817	Seq. ID	OJ990305_03.9819.C18
Gene No.	45468	Strand	-

Start	430	End	1054
Name	OJ990305_03.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	689	End	985
GI	none	Score	166
Exons	689..985, 708..911		

Seq. No.	21817	Seq. ID	OJ990305_03.9819.C18
Gene No.	45468	Strand	-
Start	430	End	1054
Name	OJ990305_03.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	704	End	985
GI	none	Score	135
Exons	704..985, 705..905		

Seq. No.	21818	Seq. ID	OJ990305_03.9819.C20
Gene No.	45469	Strand	+
Start	1	End	1468
Name	OJ990305_03.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	5852093	Score	87
Exons	1..102, 1362..1468		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	21819	Seq. ID	OJ990305_03.9819.C21
Gene No.	45470	Strand	+
Start	1	End	1478
Name	OJ990305_03.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	1478
GI	5441880	Score	765
Exons	1..401, 905..1478		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21819	Seq. ID	OJ990305_03.9819.C21
Gene No.	45470	Strand	+
Start	1	End	1478
Name	OJ990305_03.9819.C21.o1.gs	Method	GENSCAN
Start	324	End	1055
GI	none	Score	.81
Exons	324..521, 905..1055		

Seq. No.	21820	Seq. ID	OJ990305_03.9819.C22
Gene No.	45471	Strand	-
Start	1	End	859
Name	OJ990305_03.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	859
GI	5042447	Score	621
Exons	1..859		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	21820	Seq. ID	OJ990305_03.9819.C22
Gene No.	45471	Strand	-
Start	1	End	859
Name	OJ990305_03.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	83	End	385
GI	none	Score	95

Exons	83..385, 255..371		
Seq. No.	21820	Seq. ID	OJ990305_03.9819.C22
Gene No.	45471	Strand	-
Start	1	End	859
Name	OJ990305_03.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	266	End	628
GI	none	Score	136
Exons	266..628, 267..596, 464..613		
Seq. No.	21821	Seq. ID	OJ990305_03.9819.C23
Gene No.	45472	Strand	-
Start	1	End	1659
Name	OJ990305_03.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	1659
GI	3004558	Score	266
Exons	1..260, 1368..1565, 1639..1659		
GI Descrip.	(AC003673) peroxidase (ATP22a) [Arabidopsis thaliana]		
Seq. No.	21821	Seq. ID	OJ990305_03.9819.C23
Gene No.	45472	Strand	-
Start	1	End	1659
Name	OJ990305_03.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	93	End	1565
GI	none	Score	142
Exons	93..257, 94..258, 1356..1502, 1518..1565		
Seq. No.	21821	Seq. ID	OJ990305_03.9819.C23
Gene No.	45472	Strand	-
Start	1	End	1659
Name	OJ990305_03.9819.C23.o1.gp	Method	AAT/GAP
Start	95	End	217
GI	15803_1.R1084	Score	210
Exons	95..217		
GI Descrip.	'3004558 1.0e-42 (AC003673) peroxidase ATP22a [Arabidopsis thaliana]'		
Seq. No.	21821	Seq. ID	OJ990305_03.9819.C23
Gene No.	45472	Strand	-
Start	1	End	1659
Name	OJ990305_03.9819.C23.o1.gs	Method	GENSCAN
Start	95	End	1559
GI	none	Score	.88
Exons	95..260, 610..653, 968..1055, 1368..1559		
Seq. No.	21821	Seq. ID	OJ990305_03.9819.C23
Gene No.	45472	Strand	-
Start	1	End	1659
Name	OJ990305_03.9819.C23.o2.gp	Method	AAT/GAP
Start	1446	End	1559
GI	33840_1.R1084	Score	181
Exons	1446..1559		
GI Descrip.	'1546706/emb|CAA67361| 7.0e-17 (X98855) peroxidase ATP8a [Arabidopsis thaliana] >gi_5730127_emb_CAB52461.1_ (AL109796) peroxidase ATP8a [Arabidopsis thaliana]'		
Seq. No.	21822	Seq. ID	OJ990305_03.9819.C24

Gene No.	45473	Strand	+
Start	371	End	573
Name	OJ990305_03.9819.C24.o1.gs	Method	GENSCAN
Start	371	End	573
GI	none	Score	.84
Exons	371..573		

Seq. No.	21822	Seq. ID	OJ990305_03.9819.C24
Gene No.	45474	Strand	-
Start	1467	End	2233
Name	OJ990305_03.9819.C24.o2.gs	Method	GENSCAN
Start	1467	End	2233
GI	none	Score	.77
Exons	1467..1631, 2036..2233		

Seq. No.	21823	Seq. ID	OJ990305_03.9819.C25
Gene No.	45475	Strand	+
Start	255	End	3871
Name	OJ990305_03.9819.C25.o1.gs	Method	GENSCAN
Start	255	End	3871
GI	none	Score	.57
Exons	255..416, 1305..1496, 2998..3158, 3316..3632, 3712..3871		

Seq. No.	21823	Seq. ID	OJ990305_03.9819.C25
Gene No.	45476	Strand	-
Start	4717	End	8604
Name	OJ990305_03.9819.C25.o2.gs	Method	GENSCAN
Start	4717	End	8604
GI	none	Score	.74
Exons	4717..4928, 5137..5423, 5711..5849, 6330..6420, 8501..8604		

Seq. No.	21823	Seq. ID	OJ990305_03.9819.C25
Gene No.	45476	Strand	-
Start	4717	End	8604
Name	OJ990305_03.9819.C25.o1.gp	Method	AAT/GAP
Start	8086	End	8240
GI	3106672	Score	203
Exons	8086..8240		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	21824	Seq. ID	OJ990305_03.9819.C26
Gene No.	45477	Strand	+
Start	706	End	860
Name	OJ990305_03.9819.C26.o1.gp	Method	AAT/GAP
Start	706	End	860
GI	7406_1.R1084	Score	207
Exons	706..860		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	21825	Seq. ID	OJ990305_03.9819.C27
Gene No.	45478	Strand	-
Start	1	End	265
Name	OJ990305_03.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	265
GI	5922634	Score	92

Exons	1..94, 166..265		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	21825	Seq. ID	OJ990305_03.9819.C27
Gene No.	45479	Strand	-
Start	2136	End	3366
Name	OJ990305_03.9819.C27.o2.np	Method	AAT/NAP
Start	2136	End	3366
GI	6721547	Score	87
Exons	2136..2219, 3282..3366		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	21826	Seq. ID	OJ990305_03.9819.C28
Gene No.	45480	Strand	-
Start	1330	End	1467
Name	OJ990305_03.9819.C28.o1.gs	Method	GENSCAN
Start	1330	End	1467
GI	none	Score	.53
Exons	1330..1467		
Seq. No.	21827	Seq. ID	OJ990305_03.9819.C29
Gene No.	45481	Strand	+
Start	1344	End	2704
Name	OJ990305_03.9819.C29.o1.gp	Method	AAT/GAP
Start	1344	End	2704
GI	none	Score	1633
Exons	1344..1779, 2256..2704		
Seq. No.	21828	Seq. ID	OJ990305_03.9819.C30
Gene No.	45482	Strand	+
Start	970	End	1058
Name	OJ990305_03.9819.C30.o1.gs	Method	GENSCAN
Start	970	End	1058
GI	none	Score	.9
Exons	970..1058		
Seq. No.	21829	Seq. ID	OJ990305_03.9819.C31
Gene No.	45483	Strand	+
Start	1407	End	1893
Name	OJ990305_03.9819.C31.o1.gs	Method	GENSCAN
Start	1407	End	1893
GI	none	Score	.76
Exons	1407..1463, 1657..1893		
Seq. No.	21830	Seq. ID	OJ990305_03.9819.C32
Gene No.	45484	Strand	-
Start	63	End	754
Name	OJ990305_03.9819.C32.o1.gp	Method	AAT/GAP
Start	63	End	697
GI	15803_1.R1084	Score	1171
Exons	63..697		
GI Descrip.	'3004558 1.0e-42 (AC003673) peroxidase ATP22a [Arabidopsis thaliana]'		
Seq. No.	21830	Seq. ID	OJ990305_03.9819.C32

Gene No.	45484	Strand	-
Start	63	End	754
Name	OJ990305_03.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	281	End	694
GI	none	Score	149
Exons	281..343, 335..628, 336..593, 646..693, 662..694		

Seq. No.	21830	Seq. ID	OJ990305_03.9819.C32
Gene No.	45484	Strand	-
Start	63	End	754
Name	OJ990305_03.9819.C32.o1.gs	Method	GENSCAN
Start	284	End	610
GI	none	Score	.65
Exons	284..610		

Seq. No.	21830	Seq. ID	OJ990305_03.9819.C32
Gene No.	45484	Strand	-
Start	63	End	754
Name	OJ990305_03.9819.C32.o1.np	Method	AAT/NAP
Start	287	End	754
GI	1620369	Score	319
Exons	287..754		
GI Descrip.	(Y08781) peroxidase ATP22a [Arabidopsis thaliana]		

Seq. No.	21830	Seq. ID	OJ990305_03.9819.C32
Gene No.	45484	Strand	-
Start	63	End	754
Name	OJ990305_03.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	299	End	699
GI	none	Score	338
Exons	299..331, 309..617, 329..616, 434..619, 564..620, 626..694, 627..695, 634..693, 646..699		

Seq. No.	21830	Seq. ID	OJ990305_03.9819.C32
Gene No.	45484	Strand	-
Start	63	End	754
Name	OJ990305_03.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	335	End	617
GI	none	Score	173
Exons	335..616, 336..617		

Seq. No.	21831	Seq. ID	OJ990305_03.9819.C33
Gene No.	45485	Strand	+
Start	71	End	1057
Name	OJ990305_03.9819.C33.o1.gs	Method	GENSCAN
Start	71	End	1057
GI	none	Score	.97
Exons	71..373, 609..692, 771..1057		

Seq. No.	21832	Seq. ID	OJ990305_03.9819.C36
Gene No.	45486	Strand	+
Start	830	End	2838
Name	OJ990305_03.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	800	End	2387
GI	none	Score	215
Exons	800..1045, 802..1047, 919..1059, 1172..1372, 1177..1368, 1274..1369, 1299..1373, 1302..1382, 2275..2343, 2276..2386,		

2277..2387

Seq. No.	21832	Seq. ID	OJ990305_03.9819.C36
Gene No.	45486	Strand	+
Start	830	End	2838
Name	OJ990305_03.9819.C36.o1.gs	Method	GENSCAN
Start	830	End	2436
GI	none	Score	.99
Exons	830..1138, 1178..1375, 2277..2436		

Seq. No.	21832	Seq. ID	OJ990305_03.9819.C36
Gene No.	45486	Strand	+
Start	830	End	2838
Name	OJ990305_03.9819.C36.o1.np	Method	AAT/NAP
Start	830	End	2838
GI	1546706	Score	404
Exons	830..1048, 1178..1375, 2277..2838		
GI Descrip.	(X98855) peroxidase ATP8a [Arabidopsis thaliana] gi|5730127|emb|CAB52461.1| (AL109796) peroxidase ATP8a [Arabidopsis thaliana]		

Seq. No.	21832	Seq. ID	OJ990305_03.9819.C36
Gene No.	45486	Strand	+
Start	830	End	2838
Name	OJ990305_03.9819.C36.o1.tc	Method	TBLASTX:Cress
Start	854	End	2438
GI	none	Score	160
Exons	854..1048, 1172..1222, 1238..1369, 1246..1368, 2268..2345, 2270..2344, 2349..2438, 2351..2437		

Seq. No.	21832	Seq. ID	OJ990305_03.9819.C36
Gene No.	45486	Strand	+
Start	830	End	2838
Name	OJ990305_03.9819.C36.o1.ts	Method	TBLASTX:Soybean
Start	899	End	2438
GI	none	Score	133
Exons	899..1048, 1172..1219, 1211..1369, 1237..1362, 2277..2345, 2348..2437, 2349..2438, 2367..2438		

Seq. No.	21832	Seq. ID	OJ990305_03.9819.C36
Gene No.	45486	Strand	+
Start	830	End	2838
Name	OJ990305_03.9819.C36.o1.gp	Method	AAT/GAP
Start	971	End	2438
GI	uC-osf1M202054g10b1	Score	806
Exons	971..1048, 1178..1375, 2277..2438		
GI Descrip.	'1546706/emb|CAA67361| 3.0e-45 (X98855) peroxidase ATP8a [Arabidopsis thaliana] >gi_5730127_emb_CAB52461.1_ (AL109796) peroxidase ATP8a [Arabidopsis thaliana]'		

Seq. No.	21833	Seq. ID	OJ990305_03.9819.C37
Gene No.	45487	Strand	+
Start	164	End	315
Name	OJ990305_03.9819.C37.o1.gs	Method	GENSCAN
Start	164	End	315
GI	none	Score	.85
Exons	164..315		

Seq. No.	21834	Seq. ID	OJ990305_03.9819.C38
Gene No.	45488	Strand	+
Start	1	End	1325
Name	OJ990305_03.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	1322
GI	6498441	Score	1269
Exons	1..947, 1041..1322		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	21834	Seq. ID	OJ990305_03.9819.C38
Gene No.	45488	Strand	+
Start	1	End	1325
Name	OJ990305_03.9819.C38.o1.gs	Method	GENSCAN
Start	554	End	1325
GI	none	Score	.92
Exons	554..1325		

Seq. No.	21834	Seq. ID	OJ990305_03.9819.C38
Gene No.	45489	Strand	+
Start	1484	End	1945
Name	OJ990305_03.9819.C38.o1.gp	Method	AAT/GAP
Start	1484	End	1945
GI	2428323	Score	846
Exons	1484..1945		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	21834	Seq. ID	OJ990305_03.9819.C38
Gene No.	45490	Strand	-
Start	1953	End	2629
Name	OJ990305_03.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	480	End	728
GI	none	Score	113
Exons	480..617, 615..728		

Seq. No.	21834	Seq. ID	OJ990305_03.9819.C38
Gene No.	45490	Strand	-
Start	1953	End	2629
Name	OJ990305_03.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	546	End	911
GI	none	Score	306
Exons	546..905, 548..676, 645..911		

Seq. No.	21834	Seq. ID	OJ990305_03.9819.C38
Gene No.	45490	Strand	-
Start	1953	End	2629
Name	OJ990305_03.9819.C38.o2.gs	Method	GENSCAN
Start	1953	End	2497
GI	none	Score	.93
Exons	1953..2497		

Seq. No.	21834	Seq. ID	OJ990305_03.9819.C38
Gene No.	45490	Strand	-
Start	1953	End	2629

Name	OJ990305_03.9819.C38.o2.np	Method	AAT/NAP
Start	1956	End	2629
GI	5803259	Score	1000
Exons	1956..2629		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	21835	Seq. ID	OJ990305_03.9819.C39
Gene No.	45491	Strand	-
Start	1	End	1147
Name	OJ990305_03.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	1147
GI	5803259	Score	1336
Exons	1..1147		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	21836	Seq. ID	OJ990305_03.9819.C40
Gene No.	45492	Strand	+
Start	1	End	1139
Name	OJ990305_03.9819.C40.o1.np	Method	AAT/NAP
Start	1	End	1139
GI	5441880	Score	1408
Exons	1..912, 1117..1139		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21836	Seq. ID	OJ990305_03.9819.C40
Gene No.	45492	Strand	+
Start	1	End	1139
Name	OJ990305_03.9819.C40.o1.tm	Method	TBLASTX:Maize
Start	468	End	1064
GI	none	Score	93
Exons	468..596, 476..574, 630..929, 647..868, 993..1064		

Seq. No.	21836	Seq. ID	OJ990305_03.9819.C40
Gene No.	45492	Strand	+
Start	1	End	1139
Name	OJ990305_03.9819.C40.o1.gp	Method	AAT/GAP
Start	511	End	942
GI	5701669	Score	841
Exons	511..942		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21836	Seq. ID	OJ990305_03.9819.C40
Gene No.	45492	Strand	+
Start	1	End	1139
Name	OJ990305_03.9819.C40.o1.tw	Method	TBLASTX:Wheat
Start	762	End	1082
GI	none	Score	204
Exons	762..968, 762..956, 962..1081, 966..1082		

Seq. No.	21837	Seq. ID	OJ990305_03.9819.C42
Gene No.	45493	Strand	-
Start	1	End	632
Name	OJ990305_03.9819.C42.o1.np	Method	AAT/NAP

Start	1	End	632
GI	2117624	Score	365
Exons	1..80, 225..632		
GI Descrip.	peroxidase (EC 1.11.1.7) 2 - alfalfa gi|971564|emb|CAA62228| (X90695) peroxidase2 [Medicago sativa]		

Seq. No.	21837	Seq. ID	OJ990305_03.9819.C42
Gene No.	45493	Strand	-
Start	1	End	632
Name	OJ990305_03.9819.C42.o1.gs	Method	GENSCAN
Start	15	End	632
GI	none	Score	.98
Exons	15..159, 225..632		

Seq. No.	21837	Seq. ID	OJ990305_03.9819.C42
Gene No.	45494	Strand	-
Start	2869	End	4992
Name	OJ990305_03.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	3	End	615
GI	none	Score	91
Exons	3..80, 17..82, 225..614, 226..615		

Seq. No.	21837	Seq. ID	OJ990305_03.9819.C42
Gene No.	45494	Strand	-
Start	2869	End	4992
Name	OJ990305_03.9819.C42.o1.tw	Method	TBLASTX:Wheat
Start	12	End	590
GI	none	Score	62
Exons	12..80, 13..90, 225..287, 230..292, 357..590, 400..447, 499..549		

Seq. No.	21837	Seq. ID	OJ990305_03.9819.C42
Gene No.	45494	Strand	-
Start	2869	End	4992
Name	OJ990305_03.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	13	End	608
GI	none	Score	65
Exons	13..81, 24..80, 225..368, 226..366, 378..608, 409..585		

Seq. No.	21837	Seq. ID	OJ990305_03.9819.C42
Gene No.	45494	Strand	-
Start	2869	End	4992
Name	OJ990305_03.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	24	End	632
GI	none	Score	125
Exons	24..80, 225..401, 232..402, 393..632, 409..537		

Seq. No.	21837	Seq. ID	OJ990305_03.9819.C42
Gene No.	45494	Strand	-
Start	2869	End	4992
Name	OJ990305_03.9819.C42.o2.gs	Method	GENSCAN
Start	2869	End	4992
GI	none	Score	.71
Exons	2869..2874, 3798..3939, 4946..4992		

Seq. No.	21838	Seq. ID	OJ990305_03.9819.C44
Gene No.	45495	Strand	+
Start	599	End	752

Name	OJ990305_03.9819.C44.o1.np	Method	AAT/NAP
Start	599	End	752
GI	5803259	Score	220
Exons	599..752		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	21838	Seq. ID	OJ990305_03.9819.C44
Gene No.	45496	Strand	-
Start	554	End	690
Name	OJ990305_03.9819.C44.o1.gs	Method	GENSCAN
Start	554	End	690
GI	none	Score	.91
Exons	554..690		

Seq. No.	21839	Seq. ID	OJ990305_03.9819.C46
Gene No.	45497	Strand	-
Start	83	End	713
Name	OJ990305_03.9819.C46.o1.gs	Method	GENSCAN
Start	83	End	713
GI	none	Score	.8
Exons	83..191, 664..713		

Seq. No.	21840	Seq. ID	OJ990305_03.9819.C47
Gene No.	45498	Strand	+
Start	1	End	725
Name	OJ990305_03.9819.C47.o1.gp	Method	AAT/GAP
Start	1	End	725
GI	1517_1.R1084	Score	1108
Exons	1..118, 266..725		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	21840	Seq. ID	OJ990305_03.9819.C47
Gene No.	45498	Strand	+
Start	1	End	725
Name	OJ990305_03.9819.C47.o1.np	Method	AAT/NAP
Start	1	End	454
GI	4538920	Score	336
Exons	1..118, 266..454		
GI Descrip.	(AL049483) nitrogen fixation like protein [Arabidopsis thaliana]		

Seq. No.	21840	Seq. ID	OJ990305_03.9819.C47
Gene No.	45498	Strand	+
Start	1	End	725
Name	OJ990305_03.9819.C47.o1.ts	Method	TBLASTX:Soybean
Start	1	End	456
GI	none	Score	153
Exons	1..90, 2..127, 263..448, 263..424, 265..456		

Seq. No.	21840	Seq. ID	OJ990305_03.9819.C47
Gene No.	45498	Strand	+
Start	1	End	725
Name	OJ990305_03.9819.C47.o2.tw	Method	TBLASTX:Wheat
Start	1	End	456
GI	none	Score	128
Exons	1..87, 2..136, 256..456, 257..448, 265..456		

Seq. No.	21840	Seq. ID	OJ990305_03.9819.C47
Gene No.	45498	Strand	+
Start	1	End	725
Name	OJ990305_03.9819.C47.o1.gs	Method	GENSCAN
Start	11	End	457
GI	none	Score	.98
Exons	11..118, 266..457		

Seq. No.	21840	Seq. ID	OJ990305_03.9819.C47
Gene No.	45498	Strand	+
Start	1	End	725
Name	OJ990305_03.9819.C47.o1.tc	Method	TBLASTX:Cress
Start	26	End	507
GI	none	Score	43
Exons	26..70, 74..136, 263..478, 263..475, 265..507		

Seq. No.	21840	Seq. ID	OJ990305_03.9819.C47
Gene No.	45499	Strand	
Start	1489	End	1741
Name	OJ990305_03.9819.C47.o1.tw	Method	TBLASTX:Wheat
Start	1489	End	1741
GI	none	Score	286
Exons	1489..1740, 1492..1740, 1496..1741		

Seq. No.	21841	Seq. ID	OJ990305_03.9819.C48
Gene No.	45500	Strand	-
Start	15	End	1066
Name	OJ990305_03.9819.C48.o1.gs	Method	GENSCAN
Start	15	End	1066
GI	none	Score	.69
Exons	15..1066		

Seq. No.	21842	Seq. ID	OJ990305_03.9819.C49
Gene No.	45501	Strand	+
Start	1060	End	2203
Name	OJ990305_03.9819.C49.o1.gs	Method	GENSCAN
Start	1060	End	2203
GI	none	Score	.9
Exons	1060..1183, 1280..1500, 1817..2203		

Seq. No.	21842	Seq. ID	OJ990305_03.9819.C49
Gene No.	45502	Strand	-
Start	2651	End	2857
Name	OJ990305_03.9819.C49.o2.gs	Method	GENSCAN
Start	2651	End	2857
GI	none	Score	.66
Exons	2651..2857		

Seq. No.	21843	Seq. ID	OJ990305_03.9819.C50
Gene No.	45503	Strand	+
Start	94	End	2074
Name	OJ990305_03.9819.C50.o1.gs	Method	GENSCAN
Start	94	End	2074
GI	none	Score	.51
Exons	94..993, 1090..2074		

Seq. No.	21844	Seq. ID	OJ990305_03.9819.C51

Gene No.	45504	Strand	+
Start	80	End	657
Name	OJ990305_03.9819.C51.o1.gs	Method	GENSCAN
Start	80	End	657
GI	none	Score	.68
Exons	80..370, 638..657		

Seq. No.	21844	Seq. ID	OJ990305_03.9819.C51
Gene No.	45505	Strand	-
Start	1148	End	1297
Name	OJ990305_03.9819.C51.o2.gs	Method	GENSCAN
Start	1148	End	1297
GI	none	Score	.61
Exons	1148..1297		

Seq. No.	21845	Seq. ID	OJ990305_03.9819.C52
Gene No.	45506	Strand	+
Start	136	End	2202
Name	OJ990305_03.9819.C52.o1.gs	Method	GENSCAN
Start	136	End	2202
GI	none	Score	.79
Exons	136..191, 1646..1868, 2051..2202		

Seq. No.	21845	Seq. ID	OJ990305_03.9819.C52
Gene No.	45507	Strand	+
Start	3069	End	3719
Name	OJ990305_03.9819.C52.o2.gs	Method	GENSCAN
Start	3069	End	3719
GI	none	Score	.54
Exons	3069..3719		

Seq. No.	21845	Seq. ID	OJ990305_03.9819.C52
Gene No.	45508	Strand	+
Start	3697	End	4023
Name	OJ990305_03.9819.C52.o1.tm	Method	TBLASTX:Maize
Start	3016	End	3386
GI	none	Score	114
Exons	3016..3165, 3054..3185, 3111..3386, 3196..3375		

Seq. No.	21845	Seq. ID	OJ990305_03.9819.C52
Gene No.	45508	Strand	+
Start	3697	End	4023
Name	OJ990305_03.9819.C52.o2.tm	Method	TBLASTX:Maize
Start	3628	End	3869
GI	none	Score	81
Exons	3628..3690, 3629..3697, 3700..3867, 3704..3763, 3704..3868, 3705..3869, 3723..3869		

Seq. No.	21845	Seq. ID	OJ990305_03.9819.C52
Gene No.	45508	Strand	+
Start	3697	End	4023
Name	OJ990305_03.9819.C52.o1.gp	Method	AAT/GAP
Start	3697	End	4023
GI	none	Score	617
Exons	3697..4023		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53

Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o1.np	Method	AAT/NAP
Start	1	End	2259
GI	4680179	Score	3158
Exons	1..2259		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o3.tw	Method	TBLASTX:Wheat
Start	69	End	441
GI	none	Score	213
Exons	69..434, 72..440, 79..441		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o2.tm	Method	TBLASTX:Maize
Start	162	End	482
GI	none	Score	177
Exons	162..470, 165..482, 220..471		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o1.gs	Method	GENSCAN
Start	357	End	2093
GI	none	Score	.89
Exons	357..2093		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o2.ts	Method	TBLASTX:Soybean
Start	398	End	659
GI	none	Score	150
Exons	398..580, 399..659, 400..654		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o1.tc	Method	TBLASTX:Cress
Start	423	End	740
GI	none	Score	85
Exons	423..566, 424..564, 567..740		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o1.tw	Method	TBLASTX:Wheat
Start	447	End	1025
GI	none	Score	330
Exons	447..1025, 448..1014		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53

Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o4.tm	Method	TBLASTX:Maize
Start	483	End	797
GI	none	Score	96
Exons	483..797, 484..687, 633..773		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	1005	End	1368
GI	none	Score	181
Exons	1005..1367, 1014..1367, 1018..1368		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o2.tw	Method	TBLASTX:Wheat
Start	1026	End	2119
GI	none	Score	358
Exons	1026..1439, 1027..1407, 2057..2119		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o3.ts	Method	TBLASTX:Soybean
Start	1188	End	1433
GI	none	Score	89
Exons	1188..1433, 1189..1416		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o3.tm	Method	TBLASTX:Maize
Start	1404	End	1904
GI	none	Score	50
Exons	1404..1718, 1447..1497, 1525..1578, 1725..1904, 1750..1896		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o5.tw	Method	TBLASTX:Wheat
Start	1440	End	1692
GI	none	Score	133
Exons	1440..1688, 1446..1691, 1456..1692		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o1.ts	Method	TBLASTX:Soybean
Start	1455	End	1850
GI	none	Score	117
Exons	1455..1727, 1455..1814, 1456..1746, 1774..1812, 1781..1813, 1818..1850, 1819..1848		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53

Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o4.tw	Method	TBLASTX:Wheat
Start	1694	End	2054
GI	none	Score	65
Exons	1694..1882, 1695..1811, 1711..1905, 1716..1913, 1917..2000, 1921..2001, 1983..2054		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o2.tc	Method	TBLASTX:Cress
Start	1827	End	2144
GI	none	Score	180
Exons	1827..2144		

Seq. No.	21846	Seq. ID	OJ990305_03.9819.C53
Gene No.	45509	Strand	-
Start	1	End	2259
Name	OJ990305_03.9819.C53.o5.tm	Method	TBLASTX:Maize
Start	1972	End	2202
GI	none	Score	152
Exons	1972..2202, 1974..2165		

Seq. No.	21847	Seq. ID	OJ990305_03.9819.C55
Gene No.	45510	Strand	+
Start	1439	End	2494
Name	OJ990305_03.9819.C55.o1.np	Method	AAT/NAP
Start	1439	End	2494
GI	4580469	Score	331
Exons	1439..1953, 2101..2342, 2370..2494		
GI Descrip.	(AC006081) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	21847	Seq. ID	OJ990305_03.9819.C55
Gene No.	45511	Strand	-
Start	2962	End	3102
Name	OJ990305_03.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	1556	End	1933
GI	none	Score	86
Exons	1556..1633, 1562..1609, 1701..1769, 1732..1911, 1796..1933		

Seq. No.	21847	Seq. ID	OJ990305_03.9819.C55
Gene No.	45511	Strand	-
Start	2962	End	3102
Name	OJ990305_03.9819.C55.o1.tc	Method	TBLASTX:Cress
Start	1711	End	1933
GI	none	Score	289
Exons	1711..1911, 1712..1933		

Seq. No.	21847	Seq. ID	OJ990305_03.9819.C55
Gene No.	45511	Strand	-
Start	2962	End	3102
Name	OJ990305_03.9819.C55.o1.ts	Method	TBLASTX:Soybean
Start	1712	End	1957
GI	none	Score	349
Exons	1712..1933, 1714..1911, 1715..1957		

Seq. No.	21847	Seq. ID	OJ990305_03.9819.C55
Gene No.	45511	Strand	-
Start	2962	End	3102
Name	OJ990305_03.9819.C55.o2.gs	Method	GENSCAN
Start	2962	End	3102
GI	none	Score	.4
Exons	2962..3102		

Seq. No.	21848	Seq. ID	OJ990305_03.9819.C57
Gene No.	45512	Strand	+
Start	158	End	1260
Name	OJ990305_03.9819.C57.o1.np	Method	AAT/NAP
Start	158	End	1260
GI	4586576	Score	256
Exons	158..503, 1165..1260		
GI Descrip.	(AB024992) multidrug resistance protein [Cicer arietinum]		

Seq. No.	21848	Seq. ID	OJ990305_03.9819.C57
Gene No.	45512	Strand	+
Start	158	End	1260
Name	OJ990305_03.9819.C57.o1.gs	Method	GENSCAN
Start	173	End	500
GI	none	Score	.87
Exons	173..500		

Seq. No.	21848	Seq. ID	OJ990305_03.9819.C57
Gene No.	45512	Strand	+
Start	158	End	1260
Name	OJ990305_03.9819.C57.o1.tm	Method	TBLASTX:Maize
Start	205	End	504
GI	none	Score	66
Exons	205..267, 206..286, 227..502, 331..504, 353..502		

Seq. No.	21848	Seq. ID	OJ990305_03.9819.C57
Gene No.	45512	Strand	+
Start	158	End	1260
Name	OJ990305_03.9819.C57.o1.ts	Method	TBLASTX:Soybean
Start	281	End	504
GI	none	Score	183
Exons	281..496, 331..504, 353..502		

Seq. No.	21849	Seq. ID	OJ990305_03.9819.C58
Gene No.	45513	Strand	-
Start	261	End	653
Name	OJ990305_03.9819.C58.o1.gs	Method	GENSCAN
Start	261	End	653
GI	none	Score	.59
Exons	261..653		

Seq. No.	21850	Seq. ID	OJ990305_03.9819.C59
Gene No.	45514	Strand	+
Start	23	End	294
Name	OJ990305_03.9819.C59.o1.gs	Method	GENSCAN
Start	23	End	294
GI	none	Score	.62
Exons	23..221, 278..294		

Seq. No.	21851	Seq. ID	OJ990305_03.9819.C60
Gene No.	45515	Strand	+
Start	120	End	684
Name	OJ990305_03.9819.C60.o1.gp	Method	AAT/GAP
Start	120	End	684
GI	4107141	Score	1007
Exons	120..684		

Seq. No.	21852	Seq. ID	OJ990305_03.9819.C61
Gene No.	45516	Strand	+
Start	123	End	777
Name	OJ990305_03.9819.C61.o1.gs	Method	GENSCAN
Start	123	End	422
GI	none	Score	.9
Exons	123..422		

Seq. No.	21852	Seq. ID	OJ990305_03.9819.C61
Gene No.	45516	Strand	+
Start	123	End	777
Name	OJ990305_03.9819.C61.o1.np	Method	AAT/NAP
Start	135	End	777
GI	3901012	Score	143
Exons	135..428, 662..777		
GI Descrip.	(AJ130885) xyloglucan endotransglycosylase 1 [Fagus sylvatica]		

Seq. No.	21852	Seq. ID	OJ990305_03.9819.C61
Gene No.	45516	Strand	+
Start	123	End	777
Name	OJ990305_03.9819.C61.o1.ts	Method	TBLASTX:Soybean
Start	224	End	579
GI	none	Score	201
Exons	224..271, 225..428, 335..412, 541..579		

Seq. No.	21852	Seq. ID	OJ990305_03.9819.C61
Gene No.	45516	Strand	+
Start	123	End	777
Name	OJ990305_03.9819.C61.o1.tc	Method	TBLASTX:Cress
Start	225	End	428
GI	none	Score	187
Exons	225..428, 335..412		

Seq. No.	21852	Seq. ID	OJ990305_03.9819.C61
Gene No.	45516	Strand	+
Start	123	End	777
Name	OJ990305_03.9819.C61.o1.tm	Method	TBLASTX:Maize
Start	225	End	428
GI	none	Score	194
Exons	225..428		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45517	Strand	+
Start	47	End	282
Name	OJ990305_03.9819.C62.o1.gs	Method	GENSCAN
Start	47	End	282
GI	none	Score	.52
Exons	47..282		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45518	Strand	-
Start	694	End	1042
Name	OJ990305_03.9819.C62.o1.np	Method	AAT/NAP
Start	577	End	930
GI	2459439	Score	146
Exons	577..930		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45518	Strand	-
Start	694	End	1042
Name	OJ990305_03.9819.C62.o2.gs	Method	GENSCAN
Start	694	End	1042
GI	none	Score	.96
Exons	694..835, 867..1042		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45518	Strand	-
Start	694	End	1042
Name	OJ990305_03.9819.C62.o1.gp	Method	AAT/GAP
Start	746	End	930
GI	LIB3433-043-P1-K1-E5	Score	211
Exons	746..930		
GI Descrip.	'2982434/emb|CAA18242.1| 9.0e-58 (AL022224) putative protein [Arabidopsis thaliana]'		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o1.tc	Method	TBLASTX:Cress
Start	3174	End	4641
GI	none	Score	58
Exons	3174..3212, 3213..3428, 3504..3566, 3646..3738, 3647..3739, 3739..3807, 3740..3808, 4234..4401, 4271..4399, 4411..4641, 4439..4564		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o3.gs	Method	GENSCAN
Start	3177	End	3813
GI	none	Score	.88
Exons	3177..3553, 3648..3813		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o2.np	Method	AAT/NAP
Start	3183	End	4665
GI	2117624	Score	640
Exons	3183..3553, 3648..3807, 4258..4665		
GI Descrip.	peroxidase (EC 1.11.1.7) 2 - alfalfa gi|971564|emb|CAA62228| (X90695) peroxidase2 [Medicago sativa]		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62

Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o2.tm	Method	TBLASTX:Maize
Start	3192	End	3581
GI	none	Score	66
Exons	3192..3257, 3192..3449, 3196..3354, 3504..3581		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o2.ts	Method	TBLASTX:Soybean
Start	3213	End	3735
GI	none	Score	105
Exons	3213..3428, 3214..3426, 3492..3596, 3646..3735		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o1.tw	Method	TBLASTX:Wheat
Start	3650	End	4632
GI	none	Score	36
Exons	3650..3754, 3739..3807, 3740..3817, 4258..4320, 4260..4322, 4390..4632, 4433..4480, 4465..4596		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o1.tm	Method	TBLASTX:Maize
Start	3701	End	4647
GI	none	Score	123
Exons	3701..3808, 3703..3807, 4258..4647, 4259..4570, 4462..4596		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o1.ts	Method	TBLASTX:Soybean
Start	3751	End	4665
GI	none	Score	62
Exons	3751..3807, 3752..3805, 4258..4434, 4271..4435, 4426..4665, 4439..4570		

Seq. No.	21853	Seq. ID	OJ990305_03.9819.C62
Gene No.	45519	Strand	-
Start	3177	End	4665
Name	OJ990305_03.9819.C62.o4.gs	Method	GENSCAN
Start	4183	End	4665
GI	none	Score	.92
Exons	4183..4665		

Seq. No.	21854	Seq. ID	OJ990305_03.9819.C63
Gene No.	45520	Strand	+
Start	505	End	1750
Name	OJ990305_03.9819.C63.o1.np	Method	AAT/NAP
Start	505	End	1750
GI	6721543	Score	124
Exons	505..635, 1688..1750		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	21854	Seq. ID	OJ990305_03.9819.C63
Gene No.	45520	Strand	+
Start	505	End	1750
Name	OJ990305_03.9819.C63.o1.gp	Method	AAT/GAP
Start	519	End	957
GI	7406_1.R1084	Score	579
Exons	519..848, 883..957		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	21854	Seq. ID	OJ990305_03.9819.C63
Gene No.	45521	Strand	-
Start	435	End	2357
Name	OJ990305_03.9819.C63.o1.gs	Method	GENSCAN
Start	435	End	2280
GI	none	Score	.58
Exons	435..581, 1572..1689, 1694..1741, 1805..1936, 2183..2280		

Seq. No.	21854	Seq. ID	OJ990305_03.9819.C63
Gene No.	45521	Strand	-
Start	435	End	2357
Name	OJ990305_03.9819.C63.o2.gp	Method	AAT/GAP
Start	900	End	1353
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	900..1353		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	21854	Seq. ID	OJ990305_03.9819.C63
Gene No.	45521	Strand	-
Start	435	End	2357
Name	OJ990305_03.9819.C63.o2.np	Method	AAT/NAP
Start	1457	End	2357
GI	5441880	Score	686
Exons	1457..1689, 1805..1936, 2183..2357		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21855	Seq. ID	OJ990305_03.9819.C64
Gene No.	45522	Strand	-
Start	1	End	942
Name	OJ990305_03.9819.C64.o1.np	Method	AAT/NAP
Start	1	End	704
GI	5441880	Score	911
Exons	1..329, 406..704		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21855	Seq. ID	OJ990305_03.9819.C64
Gene No.	45522	Strand	-
Start	1	End	942
Name	OJ990305_03.9819.C64.o1.gs	Method	GENSCAN
Start	71	End	942
GI	none	Score	.87

Exons	71..329, 406..704, 796..942		
Seq. No.	21855	Seq. ID	OJ990305_03.9819.C64
Gene No.	45522	Strand	-
Start	1	End	942
Name	OJ990305_03.9819.C64.o1.gp	Method	AAT/GAP
Start	79	End	578
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	79..329, 406..578		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45523	Strand	+
Start	1	End	3398
Name	OJ990305_03.9819.C65.o2.np	Method	AAT/NAP
Start	1	End	3398
GI	4206306	Score	661
Exons	1..76, 1894..3398		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45523	Strand	+
Start	1	End	3398
Name	OJ990305_03.9819.C65.o2.gp	Method	AAT/GAP
Start	799	End	1181
GI	uC-osf1cyp033a04b1	Score	700
Exons	799..1181		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45524	Strand	-
Start	732	End	3398
Name	OJ990305_03.9819.C65.o1.np	Method	AAT/NAP
Start	732	End	3398
GI	4680186	Score	358
Exons	732..932, 1771..1824, 3360..3398		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45524	Strand	-
Start	732	End	3398
Name	OJ990305_03.9819.C65.o2.tw	Method	TBLASTX:Wheat
Start	1316	End	2692
GI	none	Score	51
Exons	1316..1360, 1475..1519, 2357..2692, 2374..2484		
Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45524	Strand	-
Start	732	End	3398
Name	OJ990305_03.9819.C65.o1.tw	Method	TBLASTX:Wheat
Start	1950	End	2356
GI	none	Score	66
Exons	1950..2006, 1955..1996, 1985..2173, 2001..2198, 2002..2202, 2009..2152, 2013..2201, 2219..2356		

Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45524	Strand	-
Start	732	End	3398
Name	OJ990305_03.9819.C65.o2.tm	Method	TBLASTX:Maize
Start	2004	End	2215
GI	none	Score	251
Exons	2004..2198, 2009..2152, 2012..2215		

Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45524	Strand	-
Start	732	End	3398
Name	OJ990305_03.9819.C65.o1.tm	Method	TBLASTX:Maize
Start	2225	End	2686
GI	none	Score	516
Exons	2225..2686, 2225..2614, 2560..2685		

Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45524	Strand	-
Start	732	End	3398
Name	OJ990305_03.9819.C65.o1.ts	Method	TBLASTX:Soybean
Start	2372	End	2842
GI	none	Score	222
Exons	2372..2653, 2410..2484, 2654..2842, 2698..2829		

Seq. No.	21856	Seq. ID	OJ990305_03.9819.C65
Gene No.	45524	Strand	-
Start	732	End	3398
Name	OJ990305_03.9819.C65.o2.ts	Method	TBLASTX:Soybean
Start	2992	End	3330
GI	none	Score	135
Exons	2992..3144, 2993..3130, 3152..3235, 3162..3215, 3250..3330, 3266..3301		

Seq. No.	21857	Seq. ID	OJ990305_03.9819.C66
Gene No.	45525	Strand	-
Start	690	End	1131
Name	OJ990305_03.9819.C66.o1.gs	Method	GENSCAN
Start	690	End	1131
GI	none	Score	.79
Exons	690..861, 961..1131		

Seq. No.	21857	Seq. ID	OJ990305_03.9819.C66
Gene No.	45526	Strand	-
Start	1078	End	1186
Name	OJ990305_03.9819.C66.o1.ts	Method	TBLASTX:Soybean
Start	463	End	711
GI	none	Score	56
Exons	463..711, 577..711		

Seq. No.	21857	Seq. ID	OJ990305_03.9819.C66
Gene No.	45526	Strand	-
Start	1078	End	1186
Name	OJ990305_03.9819.C66.o1.tm	Method	TBLASTX:Maize
Start	484	End	861
GI	none	Score	205
Exons	484..861		

Seq. No.	21857	Seq. ID	OJ990305_03.9819.C66
Gene No.	45526	Strand	-
Start	1078	End	1186
Name	OJ990305_03.9819.C66.o2.np	Method	AAT/NAP
Start	1078	End	1186
GI	5042454	Score	84
Exons	1078..1186		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	21858	Seq. ID	OJ990305_03.9819.C69
Gene No.	45527	Strand	+
Start	1	End	701
Name	OJ990305_03.9819.C69.o1.np	Method	AAT/NAP
Start	1	End	701
GI	2126090	Score	1100
Exons	1..701		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	21858	Seq. ID	OJ990305_03.9819.C69
Gene No.	45527	Strand	+
Start	1	End	701
Name	OJ990305_03.9819.C69.o1.gs	Method	GENSCAN
Start	24	End	669
GI	none	Score	.79
Exons	24..669		

Seq. No.	21859	Seq. ID	OJ990205_04.9819.C3
Gene No.	45528	Strand	-
Start	21	End	723
Name	OJ990205_04.9819.C3.o1.gs	Method	GENSCAN
Start	21	End	478
GI	none	Score	.55
Exons	21..478		

Seq. No.	21859	Seq. ID	OJ990205_04.9819.C3
Gene No.	45528	Strand	-
Start	21	End	723
Name	OJ990205_04.9819.C3.o1.np	Method	AAT/NAP
Start	48	End	723
GI	418604	Score	1035
Exons	48..723		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	21860	Seq. ID	OJ990205_04.9819.C4
Gene No.	45529	Strand	+
Start	196	End	515
Name	OJ990205_04.9819.C4.o1.gs	Method	GENSCAN
Start	196	End	515
GI	none	Score	.82
Exons	196..301, 424..515		

Seq. No.	21861	Seq. ID	OJ990205_04.9819.C5
Gene No.	45530	Strand	-
Start	616	End	712
Name	OJ990205_04.9819.C5.o1.gs	Method	GENSCAN
Start	616	End	712
GI	none	Score	.95
Exons	616..712		

Seq. No.	21861	Seq. ID	OJ990205_04.9819.C5
Gene No.	45531	Strand	-
Start	910	End	1141
Name	OJ990205_04.9819.C5.o1.np	Method	AAT/NAP
Start	910	End	1141
GI	4680191	Score	45
Exons	910..985, 1076..1141		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	21862	Seq. ID	OJ990205_04.9819.C8
Gene No.	45532	Strand	-
Start	7	End	692
Name	OJ990205_04.9819.C8.o1.gs	Method	GENSCAN
Start	7	End	692
GI	none	Score	.57
Exons	7..528, 558..692		

Seq. No.	21863	Seq. ID	OJ990205_04.9819.C9
Gene No.	45533	Strand	-
Start	865	End	962
Name	OJ990205_04.9819.C9.o1.gs	Method	GENSCAN
Start	865	End	962
GI	none	Score	.67
Exons	865..962		

Seq. No.	21864	Seq. ID	OJ990205_04.9819.C11
Gene No.	45534	Strand	-
Start	230	End	385
Name	OJ990205_04.9819.C11.o1.gs	Method	GENSCAN
Start	230	End	385
GI	none	Score	.96
Exons	230..385		

Seq. No.	21865	Seq. ID	OJ990205_04.9819.C13
Gene No.	45535	Strand	+
Start	684	End	749
Name	OJ990205_04.9819.C13.o1.gs	Method	GENSCAN
Start	684	End	749
GI	none	Score	.46
Exons	684..749		

Seq. No.	21865	Seq. ID	OJ990205_04.9819.C13
Gene No.	45536	Strand	-
Start	1	End	719
Name	OJ990205_04.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	719
GI	267056	Score	106

Exons	1..71, 222..250, 625..719		
GI Descrip.	SUCROSE SYNTHASE 1 (SUCROSE-UDP GLUCOSYLTRANSFERASE 1) gi|100710|pir||S25526 sucrose synthase (EC 2.4.1.13) - rice gi|20374|emb|CAA78747| (Z15028) sucrose synthase [Oryza sativa]		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45537	Strand	+
Start	498	End	3530
Name	OJ990205_04.9819.C15.o1.gs	Method	GENSCAN
Start	498	End	3530
GI	none	Score	.72
Exons	498..660, 2983..3098, 3112..3369, 3408..3530		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o4.gs	Method	GENSCAN
Start	11987	End	21132
GI	none	Score	.65
Exons	11987..12065, 12899..13028, 13116..13262, 13287..13358, 13627..13698, 13778..13849, 14607..14678, 14779..14850, 15003..15074, 15319..15390, 15471..15542, 15694..15765, 15998..16069, 16147..16218, 16308..16376, 16461..16532, 16619..16692, 16780..16908, 17085..17432, 17617..17990, 18487..18831, 20845..21132		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o1.np	Method	AAT/NAP
Start	12820	End	18852
GI	1345132	Score	2920
Exons	12820..13028, 13116..13187, 13287..13358, 13444..13515, 13627..13698, 13778..13849, 14134..14205, 14288..14359, 14445..14513, 14607..14678, 14779..14850, 15003..15074, 15156..15227, 15319..15390, 15471..15542, 15694..15765, 15846..15917, 15998..16069, 16147..16218, 16308..16376, 16461..16532, 16619..16692, 16780..16908, 17085..17432, 17620..17990, 18487..18852		
GI Descrip.	(U47029) ERECTA [Arabidopsis thaliana] gi|1389566|dbj|BAA11869| (D83257) receptor protein kinase [Arabidopsis thaliana] gi|3075386|gb|AAC14518.1| (AC004484) putative receptor-like protein kinase, ERECTA [Arabidopsis thaliana]		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o2.gp	Method	AAT/GAP
Start	18911	End	19330
GI	4714180	Score	584
Exons	18911..19138, 19224..19330		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o2.np	Method	AAT/NAP
Start	20778	End	57365

GI	6175155	Score	135
Exons	20778..20989, 25375..25556, 35780..35945, 41759..41947, 57338..57365		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o7.gs	Method	GENSCAN
Start	45429	End	49971
GI	none	Score	.72
Exons	45429..45988, 46429..46535, 48841..49016, 49118..49290, 49309..49530, 49620..49971		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o7.gp	Method	AAT/GAP
Start	49991	End	50047
GI	uC-osf1M202097d10b1	Score	70
Exons	49991..50047		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o8.gs	Method	GENSCAN
Start	51134	End	55567
GI	none	Score	.75
Exons	51134..51592, 51975..52212, 53660..53989, 54010..54101, 54127..54368, 55137..55320, 55406..55567		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o8.gp	Method	AAT/GAP
Start	51558	End	52165
GI	none	Score	372
Exons	51558..51592, 51975..52165		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45538	Strand	+
Start	11987	End	57365
Name	OJ990205_04.9819.C15.o9.gp	Method	AAT/GAP
Start	52363	End	53883
GI	569991	Score	624
Exons	52363..52470, 53660..53883		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45539	Strand	+
Start	62954	End	66497
Name	OJ990205_04.9819.C15.o10.gs	Method	GENSCAN
Start	62954	End	66497
GI	none	Score	.77
Exons	62954..63038, 63386..63432, 64080..64565, 64669..64804, 64903..65039, 65787..66497		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45539	Strand	+
Start	62954	End	66497
Name	OJ990205_04.9819.C15.o4.np	Method	AAT/NAP
Start	63022	End	66394
GI	4585873	Score	886
Exons	63022..63128, 64235..64565, 64669..64804, 64903..65039, 65838..66394		
GI Descrip.	(AC005850) Putative protein kinase [Arabidopsis thaliana]		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45540	Strand	+
Start	67417	End	69396
Name	OJ990205_04.9819.C15.o5.np	Method	AAT/NAP
Start	67200	End	69396
GI	5001454	Score	49
Exons	67200..67243, 69136..69396		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45540	Strand	+
Start	67417	End	69396
Name	OJ990205_04.9819.C15.o11.gs	Method	GENSCAN
Start	67417	End	67957
GI	none	Score	.71
Exons	67417..67618, 67659..67957		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45541	Strand	+
Start	75136	End	83078
Name	OJ990205_04.9819.C15.o13.gs	Method	GENSCAN
Start	75136	End	80630
GI	none	Score	.7
Exons	75136..75237, 75328..75443, 75460..75880, 76109..76204, 76274..76423, 78433..78587, 78928..79267, 79332..79611, 80162..80291, 80381..80630		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45541	Strand	+
Start	75136	End	83078
Name	OJ990205_04.9819.C15.o6.np	Method	AAT/NAP
Start	77739	End	83078
GI	283008	Score	660
Exons	77739..77833, 78208..78336, 78433..78587, 78669..78883, 79239..79638, 80015..80258, 83038..83078		
GI Descrip.	sucrose synthase (EC 2.4.1.13) - rice gi|20366|emb|CAA46017| (X64770) sucrose synthase [Oryza sativa]		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45542	Strand	+
Start	84599	End	86723
Name	OJ990205_04.9819.C15.o15.gs	Method	GENSCAN
Start	84599	End	86723
GI	none	Score	.5
Exons	84599..84779, 84851..85013, 85027..85179, 85783..85865,		

86632..86723

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45543	Strand	-
Start	4866	End	5340
Name	OJ990205_04.9819.C15.o2.gs	Method	GENSCAN
Start	4866	End	5340
GI	none	Score	.78
Exons	4866..5022, 5330..5340		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45544	Strand	-
Start	7364	End	9843
Name	OJ990205_04.9819.C15.o3.gs	Method	GENSCAN
Start	7364	End	9843
GI	none	Score	.43
Exons	7364..7465, 9470..9630, 9639..9843		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45545	Strand	-
Start	22060	End	25563
Name	OJ990205_04.9819.C15.o5.gs	Method	GENSCAN
Start	22060	End	25563
GI	none	Score	.89
Exons	22060..22227, 22313..22389, 23388..23677, 25310..25563		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45546	Strand	-
Start	27734	End	44297
Name	OJ990205_04.9819.C15.o6.gs	Method	GENSCAN
Start	27734	End	44297
GI	none	Score	.63
Exons	27734..27805, 27975..28018, 32628..32679, 32758..32832, 32923..32959, 33120..33188, 33602..33704, 33823..33898, 34332..34542, 34642..34993, 35737..35779, 35854..36042, 37276..37334, 38541..38642, 39394..39511, 39957..40064, 40164..40244, 40375..40531, 40617..40734, 40894..40948, 41215..41261, 41777..41867, 43188..43273, 43292..43403, 43816..43873, 44149..44297		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45546	Strand	-
Start	27734	End	44297
Name	OJ990205_04.9819.C15.o4.gp	Method	AAT/GAP
Start	32054	End	32961
GI	none	Score	774
Exons	32054..32283, 32481..32525, 32628..32679, 32758..32832, 32923..32961		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45546	Strand	-
Start	27734	End	44297
Name	OJ990205_04.9819.C15.o5.gp	Method	AAT/GAP
Start	33608	End	36017
GI	none	Score	2397
Exons	33608..33704, 33823..33898, 34332..34542, 34642..35251, 35737..36017		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45546	Strand	-
Start	27734	End	44297
Name	OJ990205_04.9819.C15.o6.gp	Method	AAT/GAP
Start	37596	End	37693
GI	uC-osflcyp022c06b2	Score	151
Exons	37596..37693		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45546	Strand	-
Start	27734	End	44297
Name	OJ990205_04.9819.C15.o3.np	Method	AAT/NAP
Start	39147	End	40984
GI	6683811	Score	638
Exons	39147..39223, 39957..40064, 40164..40244, 40375..40531, 40617..40734, 40894..40984		
GI Descrip.	(AF187062) UMP/CMP kinase a [Oryza sativa]		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45547	Strand	-
Start	54417	End	54578
Name	OJ990205_04.9819.C15.o10.gp	Method	AAT/GAP
Start	54417	End	54578
GI	none	Score	288
Exons	54417..54578		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45548	Strand	-
Start	57976	End	62079
Name	OJ990205_04.9819.C15.o9.gs	Method	GENSCAN
Start	57976	End	62079
GI	none	Score	.62
Exons	57976..58068, 58498..58698, 58835..58954, 60600..60646, 61983..62079		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45549	Strand	-
Start	71990	End	74493
Name	OJ990205_04.9819.C15.o12.gs	Method	GENSCAN
Start	71990	End	74493
GI	none	Score	.46
Exons	71990..72619, 72663..72855, 72866..73600, 73887..73963, 74422..74493		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	12850	End	66023
GI	none	Score	101
Exons	12850..12960, 12970..13029, 13144..13188, 13173..13379, 13288..13359, 13288..13359, 13444..13509, 13445..13516, 13445..13501, 13627..13713, 13628..13720, 13778..13846, 13778..13849, 13779..13850, 13779..13850, 14135..14239,		

14141..14221, 14152..14238, 14250..14366, 14277..14360,
14279..14359, 14289..14360, 14356..14394, 14445..14507,
14446..14514, 14446..14502, 14469..14513, 14595..14675,
14601..14663, 14608..14679, 14779..14853, 14780..14851,
15003..15059, 15004..15075, 15148..15228, 15180..15230,
15305..15391, 15308..15391, 15319..15393, 15472..15540,
15477..15563, 15483..15512, 15725..15766, 15847..15894,
15999..16070, 16148..16219, 16294..16377, 16449..16532,
16456..16530, 16617..16676, 16778..16906, 16784..16906,
16803..16922, 17070..17432, 17084..17431, 17098..17433,
17099..17452, 17610..17993, 17612..17653, 17705..17983,
17720..17995, 18483..18641, 18486..18635, 18487..18705,
18493..18684, 18718..18747, 18784..18855, 18798..18854,
64914..65000, 64977..65039, 65898..66023

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o5.ts	Method	TBLASTX:Soybean
Start	13631	End	16532
GI	none	Score	66

Exons 13631..13720, 14250..14366, 14458..14511, 14779..14853,
14780..14851, 15003..15074, 15004..15075, 15016..15084,
15148..15228, 15160..15219, 15180..15230, 15308..15391,
15319..15390, 15472..15537, 15480..15545, 15841..15897,
15999..16070, 16002..16061, 16142..16210, 16148..16219,
16294..16377, 16317..16367, 16432..16530, 16463..16531,
16464..16532

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	14438	End	15888
GI	none	Score	69

Exons 14438..14512, 14444..14512, 14446..14514, 14469..14513,
14595..14675, 14602..14655, 14605..14664, 14608..14679,
14625..14708, 14768..14833, 14779..14853, 14780..14851,
14782..14853, 14791..14820, 14983..15075, 14998..15072,
15003..15074, 15004..15075, 15009..15065, 15148..15228,
15149..15229, 15157..15237, 15180..15206, 15308..15388,
15319..15396, 15454..15540, 15471..15563, 15471..15563,
15694..15762, 15696..15761, 15703..15765, 15844..15888,
15847..15888

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	15891	End	66026
GI	none	Score	98

Exons 15891..15917, 15999..16070, 16016..16069, 16144..16227,
16148..16219, 16294..16377, 16308..16388, 16449..16532,
16456..16530, 16461..16535, 16616..16681, 16617..16691,
16618..16692, 16619..16693, 16769..16912, 16778..16903,
16786..16908, 17079..17354, 17082..17354, 17083..17358,
17084..17359, 17345..17434, 17353..17433, 17578..17988,

17619..17993, 17705..17989, 18486..18662, 18486..18713,
18487..18699, 18488..18700, 64917..65000, 64977..65039,
65835..65876, 65898..66026, 65915..65998, 65982..66026

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	17070	End	66026
GI	none	Score	191

Exons 17070..17432, 17071..17433, 17072..17434, 17096..17434,
17610..17969, 17612..17650, 17705..17971, 64917..65000,
64977..65036, 65898..66026

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	17324	End	65012
GI	none	Score	63

Exons 17324..17416, 17640..17723, 64422..64481, 64425..64493,
64427..64507, 64497..64562, 64505..64564, 64669..64692,
64692..64805, 64692..64802, 64693..64806, 64902..65012,
64904..65011

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	17763	End	66230
GI	none	Score	41

Exons 17763..17804, 17823..17966, 17843..17950, 65826..66230,
65837..65998, 65952..66137

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	18486	End	18855
GI	none	Score	250

Exons 18486..18635, 18487..18678, 18787..18855

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o9.tm	Method	TBLASTX:Maize
Start	31872	End	34379
GI	none	Score	40

Exons 31872..31907, 31935..31985, 31939..31986, 32004..32039,
32010..32063, 32117..32164, 32126..32158, 32178..32282,
32192..32281, 32199..32285, 32480..32524, 32480..32542,
32627..32680, 32629..32679, 32756..32833, 32758..32838,
32762..32833, 32920..32964, 32924..32965, 32924..32965,
33119..33187, 33119..33208, 33120..33191, 33585..33728,
33587..33700, 33588..33704, 33619..33714, 33822..33899,
33824..33898, 34326..34379, 34332..34373

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	34756	End	35163
GI	none	Score	39
Exons	34756..34791, 34767..34790, 34787..35137, 34796..35011, 34797..35153, 34797..35153, 34798..35163, 34948..35163		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	39141	End	40957
GI	none	Score	72
Exons	39141..39224, 39166..39225, 39167..39226, 39170..39226, 39954..40067, 39958..40065, 40128..40238, 40162..40242, 40168..40245, 40370..40531, 40375..40533, 40393..40530, 40395..40532, 40412..40534, 40616..40708, 40617..40736, 40617..40739, 40618..40737, 40863..40940, 40885..40944, 40892..40957, 40893..40949		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o4.tc	Method	TBLASTX:Cress
Start	39954	End	40736
GI	none	Score	94
Exons	39954..40067, 39958..40065, 40142..40228, 40163..40225, 40164..40238, 40165..40245, 40376..40531, 40393..40530, 40616..40708, 40617..40736, 40659..40733		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o4.tw	Method	TBLASTX:Wheat
Start	39954	End	40434
GI	none	Score	141
Exons	39954..40067, 39958..40065, 40128..40238, 40158..40235, 40168..40245, 40376..40426, 40393..40434		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o6.ts	Method	TBLASTX:Soybean
Start	40179	End	40736
GI	none	Score	66
Exons	40179..40238, 40183..40239, 40376..40531, 40393..40530, 40616..40708, 40617..40736, 40626..40736		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o7.ts	Method	TBLASTX:Soybean
Start	45574	End	52031
GI	none	Score	179
Exons	45574..45774, 45600..45767, 45916..45975, 45985..46044,		

51125..51238, 51248..51349, 51320..51490, 51473..51532,
51963..52031

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o7.tm	Method	TBLASTX:Maize
Start	45580	End	51547
GI	none	Score	214
Exons	45580..45840, 45603..45770, 45922..45990, 51145..51225, 51149..51247, 51218..51241, 51242..51346, 51265..51345, 51350..51397, 51401..51487, 51404..51484, 51479..51547		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o5.tc	Method	TBLASTX:Cress
Start	46298	End	52395
GI	none	Score	55
Exons	46298..46345, 46346..46534, 51969..52211, 51977..52207, 52297..52395		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o8.tm	Method	TBLASTX:Maize
Start	49247	End	54246
GI	none	Score	53
Exons	49247..49291, 49247..49288, 49255..49293, 49354..49491, 49358..49486, 49401..49502, 49617..49766, 49618..49767, 53798..53851, 53891..54001, 54093..54245, 54097..54246		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	64335	End	66305
GI	none	Score	192
Exons	64335..64493, 64367..64492, 64497..64562, 64511..64564, 64669..64782, 64671..64805, 64672..64803, 65837..65896, 65838..65894, 66060..66272, 66270..66305		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	64353	End	66257
GI	none	Score	133
Exons	64353..64478, 64364..64477, 64511..64564, 64512..64562, 64671..64802, 64672..64803, 65838..65894, 66060..66257		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	64409	End	64805
GI	none	Score	182

Exons	64409..64564, 64413..64562, 64668..64805, 64669..64803		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o10.tm	Method	TBLASTX:Maize
Start	66033	End	66275
GI	none	Score	212
Exons	66033..66275, 66060..66272		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o11.tm	Method	TBLASTX:Maize
Start	69204	End	69578
GI	none	Score	123
Exons	69204..69320, 69205..69318, 69311..69448, 69513..69578		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	77715	End	80435
GI	none	Score	98
Exons	77715..77834, 77723..77836, 77726..77830, 77739..77834, 78201..78266, 78206..78271, 78206..78271, 78269..78331, 78270..78332, 78271..78336, 78412..78474, 78433..78474, 78475..78588, 78475..78588, 78628..78846, 78680..78766, 78754..78852, 80014..80124, 80022..80123, 80159..80221, 80160..80198, 80202..80231, 80203..80232, 80222..80290, 80235..80282, 80378..80428, 80379..80435		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	77729	End	78587
GI	none	Score	71
Exons	77729..77827, 77729..77836, 77733..77834, 78206..78271, 78206..78271, 78270..78332, 78271..78336, 78412..78474, 78431..78475, 78444..78587, 78475..78582, 78476..78583		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	78200	End	80435
GI	none	Score	78
Exons	78200..78322, 78205..78267, 78379..78453, 78432..78467, 78433..78474, 78451..78585, 78475..78585, 78674..78721, 78679..78720, 78718..78753, 78754..78852, 78759..78836, 80014..80082, 80089..80124, 80159..80224, 80182..80232, 80208..80231, 80235..80291, 80236..80286, 80379..80435, 80380..80427		
Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-

Start	82694	End	83791
Name	OJ990205_04.9819.C15.o3.tc	Method	TBLASTX:Cress
Start	78409	End	78873
GI	none	Score	65
Exons	78409..78474, 78444..78584, 78475..78585, 78682..78753, 78683..78754, 78754..78873, 78759..78851		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o14.gs	Method	GENSCAN
Start	82694	End	83613
GI	none	Score	.93
Exons	82694..82812, 83157..83613		

Seq. No.	21866	Seq. ID	OJ990205_04.9819.C15
Gene No.	45550	Strand	-
Start	82694	End	83791
Name	OJ990205_04.9819.C15.o12.gp	Method	AAT/GAP
Start	83183	End	83791
GI	none	Score	1094
Exons	83183..83791		

Seq. No.	21867	Seq. ID	OJ990205_04.9819.C16
Gene No.	45551	Strand	+
Start	134	End	1448
Name	OJ990205_04.9819.C16.o1.gs	Method	GENSCAN
Start	134	End	1448
GI	none	Score	.59
Exons	134..189, 1402..1448		

Seq. No.	21867	Seq. ID	OJ990205_04.9819.C16
Gene No.	45552	Strand	+
Start	5591	End	5776
Name	OJ990205_04.9819.C16.o1.gp	Method	AAT/GAP
Start	5591	End	5776
GI	3106638	Score	331
Exons	5591..5776		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 4.0e-18 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	21867	Seq. ID	OJ990205_04.9819.C16
Gene No.	45553	Strand	-
Start	2762	End	6387
Name	OJ990205_04.9819.C16.o2.gs	Method	GENSCAN
Start	2762	End	6387
GI	none	Score	.54
Exons	2762..2939, 5959..6126, 6323..6387		

Seq. No.	21868	Seq. ID	OJ990205_04.9819.C26
Gene No.	45554	Strand	-
Start	268	End	451
Name	OJ990205_04.9819.C26.o1.gs	Method	GENSCAN
Start	268	End	451
GI	none	Score	.62
Exons	268..451		

Seq. No.	21869	Seq. ID	OJ990205_04.9819.C29
Gene No.	45555	Strand	-
Start	449	End	513
Name	OJ990205_04.9819.C29.o1.gs	Method	GENSCAN
Start	449	End	513
GI	none	Score	.9
Exons	449..513		

Seq. No.	21870	Seq. ID	OJ990205_04.9819.C31
Gene No.	45556	Strand	-
Start	253	End	611
Name	OJ990205_04.9819.C31.o1.gs	Method	GENSCAN
Start	253	End	602
GI	none	Score	.8
Exons	253..389, 488..602		

Seq. No.	21870	Seq. ID	OJ990205_04.9819.C31
Gene No.	45556	Strand	-
Start	253	End	611
Name	OJ990205_04.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	256	End	611
GI	none	Score	83
Exons	256..375, 257..370, 489..611, 490..609		

Seq. No.	21870	Seq. ID	OJ990205_04.9819.C31
Gene No.	45556	Strand	-
Start	253	End	611
Name	OJ990205_04.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	256	End	611
GI	none	Score	132
Exons	256..381, 257..382, 487..609, 489..611		

Seq. No.	21870	Seq. ID	OJ990205_04.9819.C31
Gene No.	45556	Strand	-
Start	253	End	611
Name	OJ990205_04.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	256	End	611
GI	none	Score	145
Exons	256..381, 257..382, 487..609, 489..611		

Seq. No.	21870	Seq. ID	OJ990205_04.9819.C31
Gene No.	45556	Strand	-
Start	253	End	611
Name	OJ990205_04.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	280	End	600
GI	none	Score	129
Exons	280..390, 281..388, 485..583, 486..599, 487..600, 490..600		

Seq. No.	21871	Seq. ID	OJ990205_04.9819.C32
Gene No.	45557	Strand	+
Start	62	End	391
Name	OJ990205_04.9819.C32.o1.gs	Method	GENSCAN
Start	62	End	391
GI	none	Score	.95
Exons	62..138, 224..391		

Seq. No.	21872	Seq. ID	OJ990205_04.9819.C33

Gene No.	45558	Strand	-
Start	519	End	659
Name	OJ990205_04.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	499	End	659
GI	none	Score	94
Exons	499..570, 516..605, 516..605, 609..659	517..606, 583..657, 594..659,	

Seq. No.	21872	Seq. ID	OJ990205_04.9819.C33
Gene No.	45558	Strand	-
Start	519	End	659
Name	OJ990205_04.9819.C33.o1.gs	Method	GENSCAN
Start	519	End	655
GI	none	Score	.99
Exons	519..655		

Seq. No.	21872	Seq. ID	OJ990205_04.9819.C33
Gene No.	45558	Strand	-
Start	519	End	659
Name	OJ990205_04.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	522	End	650
GI	none	Score	140
Exons	522..647, 523..648, 528..650		

Seq. No.	21872	Seq. ID	OJ990205_04.9819.C33
Gene No.	45558	Strand	-
Start	519	End	659
Name	OJ990205_04.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	522	End	648
GI	none	Score	145
Exons	522..647, 523..648		

Seq. No.	21872	Seq. ID	OJ990205_04.9819.C33
Gene No.	45558	Strand	-
Start	519	End	659
Name	OJ990205_04.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	546	End	656
GI	none	Score	129
Exons	546..656, 547..654		

Seq. No.	21873	Seq. ID	OJ990205_04.9819.C41
Gene No.	45559	Strand	+
Start	866	End	941
Name	OJ990205_04.9819.C41.o1.gs	Method	GENSCAN
Start	866	End	941
GI	none	Score	.43
Exons	866..941		

Seq. No.	21874	Seq. ID	OJ990205_04.9819.C42
Gene No.	45560	Strand	+
Start	706	End	1342
Name	OJ990205_04.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	703	End	942
GI	none	Score	213
Exons	703..942		

Seq. No.	21874	Seq. ID	OJ990205_04.9819.C42

Gene No.	45560	Strand	+
Start	706	End	1342
Name	OJ990205_04.9819.C42.o1.gs	Method	GENSCAN
Start	706	End	1296
GI	none	Score	.88
Exons	706..1089, 1220..1296		

Seq. No.	21874	Seq. ID	OJ990205_04.9819.C42
Gene No.	45560	Strand	+
Start	706	End	1342
Name	OJ990205_04.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	856	End	1342
GI	none	Score	120
Exons	856..972, 856..972, 934..1086, 983..1090, 1008..1091, 1053..1091, 1215..1337, 1216..1341, 1219..1341, 1220..1342		

Seq. No.	21874	Seq. ID	OJ990205_04.9819.C42
Gene No.	45560	Strand	+
Start	706	End	1342
Name	OJ990205_04.9819.C42.o1.gp	Method	AAT/GAP
Start	973	End	1342
GI	none	Score	412
Exons	973..1089, 1220..1342		

Seq. No.	21875	Seq. ID	OJ990205_04.9819.C43
Gene No.	45561	Strand	-
Start	158	End	772
Name	OJ990205_04.9819.C43.o1.gs	Method	GENSCAN
Start	158	End	772
GI	none	Score	.81
Exons	158..277, 635..772		

Seq. No.	21876	Seq. ID	OJ990205_04.9819.C44
Gene No.	45562	Strand	-
Start	87	End	379
Name	OJ990205_04.9819.C44.o1.gs	Method	GENSCAN
Start	87	End	379
GI	none	Score	.58
Exons	87..379		

Seq. No.	21877	Seq. ID	OJ990205_04.9819.C48
Gene No.	45563	Strand	+
Start	1	End	727
Name	OJ990205_04.9819.C48.o1.np	Method	AAT/NAP
Start	1	End	727
GI	2829923	Score	215
Exons	1..128, 351..727		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	21877	Seq. ID	OJ990205_04.9819.C48
Gene No.	45563	Strand	+
Start	1	End	727
Name	OJ990205_04.9819.C48.o1.tc	Method	TBLASTX:Cress
Start	388	End	649
GI	none	Score	265
Exons	388..600, 389..649		

Seq. No.	21877	Seq. ID	OJ990205_04.9819.C48
Gene No.	45563	Strand	+
Start	1	End	727
Name	OJ990205_04.9819.C48.o1.tm	Method	TBLASTX:Maize
Start	394	End	655
GI	none	Score	206
Exons	394..597, 398..655, 521..619		

Seq. No.	21877	Seq. ID	OJ990205_04.9819.C48
Gene No.	45563	Strand	+
Start	1	End	727
Name	OJ990205_04.9819.C48.o1.ts	Method	TBLASTX:Soybean
Start	395	End	649
GI	none	Score	235
Exons	395..649		

Seq. No.	21877	Seq. ID	OJ990205_04.9819.C48
Gene No.	45563	Strand	+
Start	1	End	727
Name	OJ990205_04.9819.C48.o1.gs	Method	GENSCAN
Start	407	End	600
GI	none	Score	.81
Exons	407..600		

Seq. No.	21878	Seq. ID	OJ990205_04.9819.C49
Gene No.	45564	Strand	-
Start	205	End	571
Name	OJ990205_04.9819.C49.o1.gs	Method	GENSCAN
Start	205	End	571
GI	none	Score	.49
Exons	205..428, 473..571		

Seq. No.	21879	Seq. ID	OJ990205_04.9819.C50
Gene No.	45565	Strand	+
Start	20	End	850
Name	OJ990205_04.9819.C50.o1.np	Method	AAT/NAP
Start	20	End	850
GI	267056	Score	392
Exons	20..251, 348..502, 584..850		
GI Descrip.	SUCROSE SYNTHASE 1 (SUCROSE-UDP GLUCOSYLTRANSFERASE 1) gi|100710|pir||S25526 sucrose synthase (EC 2.4.1.13) - rice gi|20374|emb|CAA78747| (Z15028) sucrose synthase [Oryza sativa]		

Seq. No.	21879	Seq. ID	OJ990205_04.9819.C50
Gene No.	45566	Strand	-
Start	270	End	770
Name	OJ990205_04.9819.C50.o1.tw	Method	TBLASTX:Wheat
Start	165	End	502
GI	none	Score	79
Exons	165..254, 186..251, 327..389, 346..390, 359..502, 390..497, 391..498		

Seq. No.	21879	Seq. ID	OJ990205_04.9819.C50
Gene No.	45566	Strand	-
Start	270	End	770
Name	OJ990205_04.9819.C50.o1.tm	Method	TBLASTX:Maize

Start	185	End	767
GI	none	Score	81
Exons	185..247, 186..251, 186..254, 327..389, 348..389, 359..502, 390..503, 390..503, 391..504, 594..668, 595..681, 595..666, 669..767, 669..761		

Seq. No.	21879	Seq. ID	OJ990205_04.9819.C50
Gene No.	45566	Strand	-
Start	270	End	770
Name	OJ990205_04.9819.C50.o1.gs	Method	GENSCAN
Start	270	End	755
GI	none	Score	.42
Exons	270..412, 587..755		

Seq. No.	21879	Seq. ID	OJ990205_04.9819.C50
Gene No.	45566	Strand	-
Start	270	End	770
Name	OJ990205_04.9819.C50.o1.tc	Method	TBLASTX:Cress
Start	324	End	767
GI	none	Score	65
Exons	324..389, 359..499, 390..500, 598..669, 669..767, 674..766		

Seq. No.	21879	Seq. ID	OJ990205_04.9819.C50
Gene No.	45566	Strand	-
Start	270	End	770
Name	OJ990205_04.9819.C50.o1.ts	Method	TBLASTX:Soybean
Start	348	End	770
GI	none	Score	55
Exons	348..389, 365..499, 390..503, 393..503, 595..681, 669..770		

Seq. No.	21880	Seq. ID	OJ990205_04.9819.C51
Gene No.	45567	Strand	+
Start	1	End	565
Name	OJ990205_04.9819.C51.o1.np	Method	AAT/NAP
Start	1	End	562
GI	137940	Score	975
Exons	1..562		
GI Descrip.	REPLICATION PROTEIN 15 gi|75892|pir||ORBP15 replication protein 15 - phage phi-80 gi|14807|emb|CAA31474| (X13065) gene 15 (AA 1 - 302) [Bacteriophage phi-80]		

Seq. No.	21880	Seq. ID	OJ990205_04.9819.C51
Gene No.	45567	Strand	+
Start	1	End	565
Name	OJ990205_04.9819.C51.o1.gs	Method	GENSCAN
Start	75	End	565
GI	none	Score	.92
Exons	75..565		

Seq. No.	21880	Seq. ID	OJ990205_04.9819.C51
Gene No.	45568	Strand	+
Start	562	End	648
Name	OJ990205_04.9819.C51.o2.np	Method	AAT/NAP
Start	562	End	648
GI	75894	Score	148
Exons	562..648		
GI Descrip.	replication protein 14 - phage phi-80		

Seq. No.	21881	Seq. ID	OJ990205_04.9819.C52
Gene No.	45569	Strand	-
Start	560	End	662
Name	OJ990205_04.9819.C52.o1.gs	Method	GENSCAN
Start	560	End	662
GI	none	Score	.53
Exons	560..662		

Seq. No.	21882	Seq. ID	OJ990205_04.9819.C54
Gene No.	45570	Strand	-
Start	331	End	642
Name	OJ990205_04.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	283	End	550
GI	none	Score	270
Exons	283..534, 293..532, 293..550		

Seq. No.	21882	Seq. ID	OJ990205_04.9819.C54
Gene No.	45570	Strand	-
Start	331	End	642
Name	OJ990205_04.9819.C54.o1.ts	Method	TBLASTX:Soybean
Start	302	End	556
GI	none	Score	135
Exons	302..556, 310..531		

Seq. No.	21882	Seq. ID	OJ990205_04.9819.C54
Gene No.	45570	Strand	-
Start	331	End	642
Name	OJ990205_04.9819.C54.o1.gs	Method	GENSCAN
Start	331	End	642
GI	none	Score	.42
Exons	331..528, 628..642		

Seq. No.	21883	Seq. ID	OJ990205_04.9819.C55
Gene No.	45571	Strand	+
Start	174	End	303
Name	OJ990205_04.9819.C55.o1.np	Method	AAT/NAP
Start	174	End	303
GI	6006367	Score	51
Exons	174..303		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	21884	Seq. ID	OJ990205_04.9819.C56
Gene No.	45572	Strand	-
Start	236	End	462
Name	OJ990205_04.9819.C56.o1.gs	Method	GENSCAN
Start	236	End	462
GI	none	Score	.9
Exons	236..338, 404..462		

Seq. No.	21885	Seq. ID	OJ990205_04.9819.C57
Gene No.	45573	Strand	-
Start	411	End	532
Name	OJ990205_04.9819.C57.o1.gs	Method	GENSCAN
Start	411	End	532
GI	none	Score	.55
Exons	411..532		

Seq. No.	21886	Seq. ID	OJ990205_04.9819.C59
Gene No.	45574	Strand	+
Start	1	End	731
Name	OJ990205_04.9819.C59.o1.np	Method	AAT/NAP
Start	1	End	731
GI	1345132	Score	64
Exons	1..98, 165..238, 318..388, 673..731		
GI Descrip.	(U47029) ERECTA [Arabidopsis thaliana] gi|1389566|dbj|BAA11869| (D83257) receptor protein kinase [Arabidopsis thaliana] gi|3075386|gb|AAC14518.1| (AC004484) putative receptor-like protein kinase, ERECTA [Arabidopsis thaliana]		

Seq. No.	21886	Seq. ID	OJ990205_04.9819.C59
Gene No.	45574	Strand	+
Start	1	End	731
Name	OJ990205_04.9819.C59.o1.gs	Method	GENSCAN
Start	106	End	271
GI	none	Score	.67
Exons	106..271		

Seq. No.	21887	Seq. ID	OJ990205_04.9819.C60
Gene No.	45575	Strand	+
Start	457	End	537
Name	OJ990205_04.9819.C60.o1.gs	Method	GENSCAN
Start	457	End	537
GI	none	Score	.94
Exons	457..537		

Seq. No.	21888	Seq. ID	OJ990205_04.9819.C61
Gene No.	45576	Strand	-
Start	1	End	1410
Name	OJ990205_04.9819.C61.o1.np	Method	AAT/NAP
Start	1	End	1410
GI	4234846	Score	264
Exons	1..50, 999..1410		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45577	Strand	+
Start	1	End	4707
Name	OJ990205_04.9819.C62.o1.np	Method	AAT/NAP
Start	1	End	1423
GI	4234846	Score	428
Exons	1..678, 1372..1423		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45577	Strand	+
Start	1	End	4707
Name	OJ990205_04.9819.C62.o1.gs	Method	GENSCAN
Start	99	End	4707
GI	none	Score	.84
Exons	99..284, 2334..2425, 2541..2710, 4149..4707		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45577	Strand	+

Start	1	End	4707
Name	OJ990205_04.9819.C62.o1.gp	Method	AAT/GAP
Start	2319	End	2910
GI	16974_1.R1084	Score	834
Exons	2319..2425, 2541..2910		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45577	Strand	+
Start	1	End	4707
Name	OJ990205_04.9819.C62.o2.gp	Method	AAT/GAP
Start	3907	End	4250
GI	none	Score	618
Exons	3907..4250		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45578	Strand	-
Start	1698	End	2229
Name	OJ990205_04.9819.C62.o2.np	Method	AAT/NAP
Start	1698	End	2229
GI	2792151	Score	197
Exons	1698..1828, 1913..2229		
GI Descrip.	(Y16182) hypothetical protein [Oryza sativa]		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o3.tm	Method	TBLASTX:Maize
Start	65	End	664
GI	none	Score	165
Exons	65..199, 78..209, 197..259, 307..402, 312..395, 502..594, 508..588, 510..620, 598..657, 598..657, 599..664		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o3.tc	Method	TBLASTX:Cress
Start	2327	End	2711
GI	none	Score	139
Exons	2327..2428, 2332..2427, 2350..2433, 2534..2695, 2646..2711		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o6.tm	Method	TBLASTX:Maize
Start	2327	End	2714
GI	none	Score	166
Exons	2327..2428, 2332..2427, 2333..2428, 2344..2448, 2540..2701, 2540..2710, 2646..2714		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o3.np	Method	AAT/NAP
Start	4231	End	6830
GI	4481948	Score	292
Exons	4231..4683, 5431..5584, 5662..5979, 6307..6830		

GI Descrip. (AL035637) hypothetical protein [Schizosaccharomyces pombe]

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o1.tm	Method	TBLASTX:Maize
Start	4331	End	4690
GI	none	Score	443
Exons	4331..4678, 4333..4689, 4456..4689, 4535..4690		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o2.gs	Method	GENSCAN
Start	5632	End	14235
GI	none	Score	.77
Exons	5632..5979, 6307..6518, 6674..6797, 6853..6931, 8433..8707, 8848..8934, 9780..9971, 10480..10633, 10923..10999, 11430..11475, 11963..12049, 12449..12595, 13838..14235		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o1.tc	Method	TBLASTX:Cress
Start	5854	End	6838
GI	none	Score	88
Exons	5854..5985, 5858..5980, 6271..6516, 6314..6439, 6653..6730, 6746..6838		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o3.ts	Method	TBLASTX:Soybean
Start	6307	End	6519
GI	none	Score	113
Exons	6307..6516, 6308..6439, 6400..6519		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o5.tm	Method	TBLASTX:Maize
Start	6338	End	6697
GI	none	Score	140
Exons	6338..6451, 6340..6516, 6341..6547, 6400..6519, 6477..6548, 6623..6697, 6626..6670, 6654..6695		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o2.tm	Method	TBLASTX:Maize
Start	8402	End	9899
GI	none	Score	384
Exons	8402..8713, 8412..8708, 8450..8731, 8843..8935, 8847..8936, 8847..8933, 8848..8934, 9383..9445, 9388..9450, 9762..9899, 9768..9896		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62

Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o4.np	Method	AAT/NAP
Start	8417	End	8756
GI	5881778	Score	183
Exons	8417..8756		
GI Descrip.	(AL117386) putative protein [Arabidopsis thaliana]		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o2.ts	Method	TBLASTX:Soybean
Start	8429	End	9858
GI	none	Score	188
Exons	8429..8713, 8454..8708, 8471..8710, 9382..9450, 9768..9851, 9774..9851, 9790..9858		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o4.tc	Method	TBLASTX:Cress
Start	8465	End	8681
GI	none	Score	108
Exons	8465..8560, 8466..8549, 8553..8681, 8573..8680		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o3.gp	Method	AAT/GAP
Start	8513	End	10568
GI	27880_1.R1084	Score	908
Exons	8513..8707, 8848..8934, 9385..9444, 9780..9848, 10480..10568		
GI Descrip.	'5881778/emb|CAB55696.1| 9.0e-13 (AL117386) putative protein [Arabidopsis thaliana]'		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o5.np	Method	AAT/NAP
Start	10471	End	14112
GI	5881779	Score	540
Exons	10471..10633, 10923..10999, 11430..11475, 12449..12595, 13838..14112		
GI Descrip.	(AL117386) putative protein [Arabidopsis thaliana]		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o7.tm	Method	TBLASTX:Maize
Start	10477	End	12049
GI	none	Score	202
Exons	10477..10632, 10482..10634, 10482..10640, 10908..11000, 10922..11011, 10922..11002, 11428..11472, 11430..11468, 11430..11474, 11431..11472, 11984..12049, 11989..12048, 11990..12049		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62

Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o4.gp	Method	AAT/GAP
Start	11944	End	14484
GI	20855_1.R1084	Score	1352
Exons	11944..12049, 12449..12595, 13838..14256, 14376..14484		
GI Descrip.	'5881779/emb|CAB55697.1| 2.0e-43 (AL117386) putative protein [Arabidopsis thaliana]'		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o1.ts	Method	TBLASTX:Soybean
Start	12472	End	14073
GI	none	Score	62
Exons	12472..12528, 12473..12529, 12532..12594, 12543..12596, 13828..13926, 13832..14071, 13843..14073		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o2.tc	Method	TBLASTX:Cress
Start	12541	End	14073
GI	none	Score	144
Exons	12541..12603, 13832..14041, 13846..14073		

Seq. No.	21889	Seq. ID	OJ990205_04.9819.C62
Gene No.	45579	Strand	-
Start	4231	End	14484
Name	OJ990205_04.9819.C62.o4.tm	Method	TBLASTX:Maize
Start	12544	End	14163
GI	none	Score	309
Exons	12544..12594, 13829..14158, 13843..14073, 14131..14163		

Seq. No.	21890	Seq. ID	OJ990205_04.9819.C63
Gene No.	45580	Strand	+
Start	312	End	446
Name	OJ990205_04.9819.C63.o1.gs	Method	GENSCAN
Start	312	End	446
GI	none	Score	.49
Exons	312..446		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45581	Strand	+
Start	451	End	4229
Name	OJ990205_04.9819.C64.o1.gs	Method	GENSCAN
Start	451	End	4135
GI	none	Score	.79
Exons	451..472, 903..1186, 1718..1839, 1933..2255, 3046..3470, 3698..4135		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45581	Strand	+
Start	451	End	4229
Name	OJ990205_04.9819.C64.o2.np	Method	AAT/NAP
Start	1001	End	4229
GI	2462826	Score	1049

Exons	1001..1186, 1718..1839, 1933..2377, 2460..2566, 2663..3164, 3228..3470, 3698..4229		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45582	Strand	-
Start	1	End	1297
Name	OJ990205_04.9819.C64.o1.np	Method	AAT/NAP
Start	1	End	1297
GI	6580645	Score	99
Exons	1..38, 374..440, 916..1297		
GI Descrip.	(AL133469) putative secreted proline-rich protein [Streptomyces coelicolor A3(2)]		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45583	Strand	
Start	1714	End	2335
Name	OJ990205_04.9819.C64.o1.tm	Method	TBLASTX:Maize
Start	1714	End	2271
GI	none	Score	107
Exons	1714..1839, 1727..1840, 1740..1841, 1740..1853, 1931..2269, 1931..2158, 1940..2017, 2044..2271, 2077..2271		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45583	Strand	
Start	1714	End	2335
Name	OJ990205_04.9819.C64.o1.ts	Method	TBLASTX:Soybean
Start	1771	End	2335
GI	none	Score	79
Exons	1771..1839, 1772..1840, 1925..2260, 1931..2335, 2041..2322		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45584	Strand	
Start	2237	End	2924
Name	OJ990205_04.9819.C64.o2.tc	Method	TBLASTX:Cress
Start	2237	End	2924
GI	none	Score	109
Exons	2237..2377, 2660..2851, 2661..2852, 2803..2862, 2880..2924		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45585	Strand	
Start	2880	End	4081
Name	OJ990205_04.9819.C64.o3.ts	Method	TBLASTX:Soybean
Start	2880	End	3158
GI	none	Score	53
Exons	2880..2924, 2979..3158, 2993..3067, 2995..3078, 3021..3086		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45585	Strand	
Start	2880	End	4081
Name	OJ990205_04.9819.C64.o1.tc	Method	TBLASTX:Cress
Start	2994	End	3389
GI	none	Score	145
Exons	2994..3158, 3255..3389, 3263..3388		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45585	Strand	

Start	2880	End	4081
Name	OJ990205_04.9819.C64.o2.tm	Method	TBLASTX:Maize
Start	3179	End	3473
GI	none	Score	196
Exons	3179..3406, 3189..3416, 3194..3418, 3418..3471, 3420..3473		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45585	Strand	
Start	2880	End	4081
Name	OJ990205_04.9819.C64.o2.ts	Method	TBLASTX:Soybean
Start	3261	End	4081
GI	none	Score	262
Exons	3261..3476, 3263..3424, 3704..3790, 3707..3838, 3715..3828, 3887..4081		

Seq. No.	21891	Seq. ID	OJ990205_04.9819.C64
Gene No.	45585	Strand	
Start	2880	End	4081
Name	OJ990205_04.9819.C64.o3.tm	Method	TBLASTX:Maize
Start	3695	End	4081
GI	none	Score	173
Exons	3695..3901, 3695..3778, 3697..3852, 3866..4036, 4022..4081		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45586	Strand	+
Start	78	End	2784
Name	OJ990205_04.9819.C65.o1.np	Method	AAT/NAP
Start	78	End	1976
GI	2462826	Score	577
Exons	78..269, 348..575, 675..991, 1181..1370, 1481..1509, 1537..1635, 1684..1976		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45586	Strand	+
Start	78	End	2784
Name	OJ990205_04.9819.C65.o1.gs	Method	GENSCAN
Start	99	End	2784
GI	none	Score	.54
Exons	99..269, 348..575, 675..872, 1067..1111, 1252..1325, 1481..1951, 2396..2687, 2716..2784		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45586	Strand	+
Start	78	End	2784
Name	OJ990205_04.9819.C65.o1.gp	Method	AAT/GAP
Start	1679	End	1917
GI	4968583	Score	474
Exons	1679..1917		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o3.tc	Method	TBLASTX:Cress
Start	78	End	521
GI	none	Score	146
Exons	78..227, 87..263, 345..521, 350..463		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o1.ts	Method	TBLASTX:Soybean
Start	84	End	901
GI	none	Score	152
Exons	84..227, 84..272, 347..550, 647..901, 672..893		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o3.tm	Method	TBLASTX:Maize
Start	180	End	577
GI	none	Score	64
Exons	180..269, 181..261, 348..491, 349..483, 350..490, 351..491, 471..575, 487..576, 494..571, 518..577		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o1.tm	Method	TBLASTX:Maize
Start	653	End	1751
GI	none	Score	254
Exons	653..910, 669..920, 671..910, 1030..1077, 1037..1090, 1038..1061, 1043..1084, 1178..1357, 1179..1370, 1180..1326, 1472..1627, 1478..1630, 1479..1634, 1685..1750, 1686..1751		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o1.tc	Method	TBLASTX:Cress
Start	1521	End	1967
GI	none	Score	63
Exons	1521..1631, 1695..1967		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o1.tw	Method	TBLASTX:Wheat
Start	1667	End	1928
GI	none	Score	117
Exons	1667..1828, 1668..1916, 1679..1921, 1689..1928		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o2.ts	Method	TBLASTX:Soybean
Start	1689	End	1964
GI	none	Score	257
Exons	1689..1964		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o4.tm	Method	TBLASTX:Maize
Start	1754	End	1967

GI	none	Score	276
Exons	1754..1957, 1755..1967, 1782..1967		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o2.gp	Method	AAT/GAP
Start	2113	End	3694
GI	none	Score	2157
Exons	2113..2747, 3163..3694		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o2.tm	Method	TBLASTX:Maize
Start	2512	End	3576
GI	none	Score	69
Exons	2512..2664, 2526..2672, 2589..2750, 2590..2748, 3163..3333, 3164..3298, 3397..3420, 3397..3429, 3423..3449, 3511..3576, 3518..3550		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o3.ts	Method	TBLASTX:Soybean
Start	2529	End	3333
GI	none	Score	38
Exons	2529..2672, 2530..2571, 2547..2750, 2590..2667, 3163..3237, 3164..3223, 3223..3333, 3233..3298		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o2.tc	Method	TBLASTX:Cress
Start	2643	End	3333
GI	none	Score	65
Exons	2643..2750, 3163..3237, 3164..3223, 3226..3333, 3227..3298		

Seq. No.	21892	Seq. ID	OJ990205_04.9819.C65
Gene No.	45587	Strand	-
Start	2113	End	3694
Name	OJ990205_04.9819.C65.o2.gs	Method	GENSCAN
Start	2896	End	3546
GI	none	Score	.96
Exons	2896..2919, 3163..3546		

Seq. No.	21893	Seq. ID	OJ990205_04.9819.C66
Gene No.	45588	Strand	-
Start	525	End	622
Name	OJ990205_04.9819.C66.o1.gs	Method	GENSCAN
Start	525	End	622
GI	none	Score	.76
Exons	525..622		

Seq. No.	21894	Seq. ID	OJ990205_04.9819.C67
Gene No.	45589	Strand	-
Start	156	End	773

Name	OJ990205_04.9819.C67.o1.gs	Method	GENSCAN
Start	156	End	773
GI	none	Score	.84
Exons	156..332, 415..773		

Seq. No.	21894	Seq. ID	OJ990205_04.9819.C67
Gene No.	45589	Strand	-
Start	156	End	773
Name	OJ990205_04.9819.C67.o1.ts	Method	TBLASTX:Soybean
Start	410	End	634
GI	none	Score	115
Exons	410..622, 418..633, 434..634		

Seq. No.	21894	Seq. ID	OJ990205_04.9819.C67
Gene No.	45589	Strand	-
Start	156	End	773
Name	OJ990205_04.9819.C67.o1.tm	Method	TBLASTX:Maize
Start	434	End	661
GI	none	Score	230
Exons	434..661, 436..660		

Seq. No.	21895	Seq. ID	OJ990205_04.9819.C68
Gene No.	45590	Strand	-
Start	298	End	487
Name	OJ990205_04.9819.C68.o1.gs	Method	GENSCAN
Start	298	End	487
GI	none	Score	.76
Exons	298..487		

Seq. No.	21896	Seq. ID	OJ990205_04.9819.C69
Gene No.	45591	Strand	+
Start	1	End	869
Name	OJ990205_04.9819.C69.o1.np	Method	AAT/NAP
Start	1	End	869
GI	2829923	Score	208
Exons	1..42, 151..218, 652..869		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	21896	Seq. ID	OJ990205_04.9819.C69
Gene No.	45591	Strand	+
Start	1	End	869
Name	OJ990205_04.9819.C69.o1.gs	Method	GENSCAN
Start	36	End	834
GI	none	Score	.89
Exons	36..42, 151..218, 652..834		

Seq. No.	21897	Seq. ID	OJ990205_04.9819.C70
Gene No.	45592	Strand	-
Start	1	End	961
Name	OJ990205_04.9819.C70.o1.np	Method	AAT/NAP
Start	1	End	961
GI	2829923	Score	245
Exons	1..33, 342..443, 649..816, 846..961		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	21897	Seq. ID	OJ990205_04.9819.C70
Gene No.	45592	Strand	-
Start	1	End	961
Name	OJ990205_04.9819.C70.o1.gs	Method	GENSCAN
Start	336	End	912
GI	none	Score	.74
Exons	336..443, 649..912		

Seq. No.	21897	Seq. ID	OJ990205_04.9819.C70
Gene No.	45592	Strand	-
Start	1	End	961
Name	OJ990205_04.9819.C70.o1.tc	Method	TBLASTX:Cress
Start	342	End	814
GI	none	Score	134
Exons	342..398, 649..813, 665..814		

Seq. No.	21897	Seq. ID	OJ990205_04.9819.C70
Gene No.	45592	Strand	-
Start	1	End	961
Name	OJ990205_04.9819.C70.o1.tw	Method	TBLASTX:Wheat
Start	342	End	840
GI	none	Score	48
Exons	342..389, 343..402, 644..817, 670..840		

Seq. No.	21897	Seq. ID	OJ990205_04.9819.C70
Gene No.	45592	Strand	-
Start	1	End	961
Name	OJ990205_04.9819.C70.o1.ts	Method	TBLASTX:Soybean
Start	679	End	939
GI	none	Score	140
Exons	679..825, 683..826, 880..939		

Seq. No.	21898	Seq. ID	OJ990205_04.9819.C74
Gene No.	45593	Strand	+
Start	544	End	594
Name	OJ990205_04.9819.C74.o1.gs	Method	GENSCAN
Start	544	End	594
GI	none	Score	.96
Exons	544..594		

Seq. No.	21899	Seq. ID	OJ990205_04.9819.C75
Gene No.	45594	Strand	-
Start	397	End	557
Name	OJ990205_04.9819.C75.o1.tm	Method	TBLASTX:Maize
Start	394	End	557
GI	none	Score	202
Exons	394..549, 398..550, 399..551, 399..557		

Seq. No.	21899	Seq. ID	OJ990205_04.9819.C75
Gene No.	45594	Strand	-
Start	397	End	557
Name	OJ990205_04.9819.C75.o1.gp	Method	AAT/GAP
Start	397	End	485
GI	27880_1.R1084	Score	161
Exons	397..485		
GI Descrip.	'5881778/emb|CAB55696.1| 9.0e-13 (AL117386) putative protein [Arabidopsis thaliana]'		

Seq. No.	21899	Seq. ID	OJ990205_04.9819.C75
Gene No.	45594	Strand	-
Start	397	End	557
Name	OJ990205_04.9819.C75.o1.gs	Method	GENSCAN
Start	397	End	550
GI	none	Score	.74
Exons	397..550		

Seq. No.	21900	Seq. ID	OJ990205_04.9819.C76
Gene No.	45595	Strand	-
Start	96	End	543
Name	OJ990205_04.9819.C76.o1.tm	Method	TBLASTX:Maize
Start	75	End	509
GI	none	Score	112
Exons	75..284, 75..191, 144..284, 145..285, 154..258, 324..509		

Seq. No.	21900	Seq. ID	OJ990205_04.9819.C76
Gene No.	45595	Strand	-
Start	96	End	543
Name	OJ990205_04.9819.C76.o1.tw	Method	TBLASTX:Wheat
Start	75	End	543
GI	none	Score	63
Exons	75..251, 145..252, 168..284, 168..284, 285..542, 307..543		

Seq. No.	21900	Seq. ID	OJ990205_04.9819.C76
Gene No.	45595	Strand	-
Start	96	End	543
Name	OJ990205_04.9819.C76.o1.ts	Method	TBLASTX:Soybean
Start	75	End	528
GI	none	Score	83
Exons	75..245, 87..242, 88..243, 165..275, 288..527, 400..528		

Seq. No.	21900	Seq. ID	OJ990205_04.9819.C76
Gene No.	45595	Strand	-
Start	96	End	543
Name	OJ990205_04.9819.C76.o1.gs	Method	GENSCAN
Start	96	End	518
GI	none	Score	.44
Exons	96..337, 416..518		

Seq. No.	21900	Seq. ID	OJ990205_04.9819.C76
Gene No.	45595	Strand	-
Start	96	End	543
Name	OJ990205_04.9819.C76.o1.tc	Method	TBLASTX:Cress
Start	108	End	536
GI	none	Score	64
Exons	108..215, 126..401, 135..284, 145..369, 420..530, 438..536		

Seq. No.	21901	Seq. ID	OJ990205_04.9819.C77
Gene No.	45596	Strand	+
Start	296	End	4704
Name	OJ990205_04.9819.C77.o1.gs	Method	GENSCAN
Start	296	End	3653
GI	none	Score	.58
Exons	296..436, 560..632, 1019..1123, 1921..1984, 2846..3012, 3103..3407, 3525..3653		

Seq. No.	21901	Seq. ID	OJ990205_04.9819.C77
Gene No.	45596	Strand	+
Start	296	End	4704
Name	OJ990205_04.9819.C77.o1.tc	Method	TBLASTX:Cress
Start	2826	End	3320
GI	none	Score	143
Exons	2826..3020, 2870..2980, 3105..3143, 3123..3140, 3156..3320, 3173..3319		

Seq. No.	21901	Seq. ID	OJ990205_04.9819.C77
Gene No.	45596	Strand	+
Start	296	End	4704
Name	OJ990205_04.9819.C77.o1.np	Method	AAT/NAP
Start	2847	End	4704
GI	2780192	Score	219
Exons	2847..3012, 3103..3321, 3490..3599, 4601..4704		
GI Descrip.	(AJ222713) unnamed protein product [Arabidopsis thaliana]		

Seq. No.	21901	Seq. ID	OJ990205_04.9819.C77
Gene No.	45596	Strand	+
Start	296	End	4704
Name	OJ990205_04.9819.C77.o1.tm	Method	TBLASTX:Maize
Start	2861	End	3326
GI	none	Score	119
Exons	2861..2980, 2862..3020, 2874..3008, 3123..3167, 3125..3139, 3156..3326, 3167..3325		

Seq. No.	21901	Seq. ID	OJ990205_04.9819.C77
Gene No.	45596	Strand	+
Start	296	End	4704
Name	OJ990205_04.9819.C77.o1.ts	Method	TBLASTX:Soybean
Start	2868	End	3668
GI	none	Score	212
Exons	2868..3020, 2870..3016, 3095..3208, 3102..3227, 3213..3326, 3224..3328, 3525..3560, 3591..3668		

Seq. No.	21902	Seq. ID	OJ990205_04.9819.C78
Gene No.	45597	Strand	+
Start	13554	End	14287
Name	OJ990205_04.9819.C78.o2.gs	Method	GENSCAN
Start	13554	End	14287
GI	none	Score	.76
Exons	13554..14027, 14201..14287		

Seq. No.	21902	Seq. ID	OJ990205_04.9819.C78
Gene No.	45598	Strand	+
Start	14890	End	17121
Name	OJ990205_04.9819.C78.o2.gp	Method	AAT/GAP
Start	14863	End	15386
GI	none	Score	910
Exons	14863..15386		

Seq. No.	21902	Seq. ID	OJ990205_04.9819.C78
Gene No.	45598	Strand	+
Start	14890	End	17121
Name	OJ990205_04.9819.C78.o3.gs	Method	GENSCAN

Start	14890	End	16647
GI	none	Score	.67
Exons	14890..15017, 15144..15267, 15696..15766, 15952..16065, 16131..16233, 16307..16352, 16580..16647		

Seq. No.	21902	Seq. ID	OJ990205_04.9819.C78
Gene No.	45598	Strand	+
Start	14890	End	17121
Name	OJ990205_04.9819.C78.o1.np	Method	AAT/NAP
Start	15995	End	17121
GI	2829923	Score	281
Exons	15995..16065, 16188..16233, 16357..16471, 16580..16651, 17022..17121		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	21902	Seq. ID	OJ990205_04.9819.C78
Gene No.	45599	Strand	-
Start	2567	End	12656
Name	OJ990205_04.9819.C78.o1.gs	Method	GENSCAN
Start	2567	End	12656
GI	none	Score	.49
Exons	2567..2777, 6623..6708, 7384..7470, 8095..8157, 10619..10684, 11193..11396, 11902..12014, 12410..12581, 12639..12656		

Seq. No.	21902	Seq. ID	OJ990205_04.9819.C78
Gene No.	45600	Strand	
Start	16013	End	16650
Name	OJ990205_04.9819.C78.o1.tc	Method	TBLASTX:Cress
Start	16013	End	16650
GI	none	Score	89
Exons	16013..16063, 16189..16236, 16356..16469, 16357..16470, 16575..16649, 16579..16650		

Seq. No.	21902	Seq. ID	OJ990205_04.9819.C78
Gene No.	45600	Strand	
Start	16013	End	16650
Name	OJ990205_04.9819.C78.o1.ts	Method	TBLASTX:Soybean
Start	16034	End	16644
GI	none	Score	52
Exons	16034..16066, 16186..16236, 16338..16469, 16357..16470, 16575..16643, 16579..16644		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45601	Strand	+
Start	1	End	601
Name	OJ990205_04.9819.C79.o1.np	Method	AAT/NAP
Start	1	End	601
GI	2829923	Score	264
Exons	1..131, 233..462, 496..601		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45602	Strand	-
Start	161	End	872
Name	OJ990205_04.9819.C79.o1.gs	Method	GENSCAN

Start	161	End	665
GI	none	Score	.55
Exons	161..592, 615..665		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45602	Strand	-
Start	161	End	872
Name	OJ990205_04.9819.C79.o1.gp	Method	AAT/GAP
Start	365	End	872
GI	36648_1.R1084	Score	740
Exons	365..872		
GI Descrip.	'58067/emb|X52325|ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o2.tc	Method	TBLASTX:Cress
Start	226	End	462
GI	none	Score	291
Exons	226..462, 230..460		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o2.ts	Method	TBLASTX:Soybean
Start	230	End	414
GI	none	Score	217
Exons	230..412, 232..414, 257..397		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o3.tm	Method	TBLASTX:Maize
Start	230	End	405
GI	none	Score	263
Exons	230..403, 230..403, 232..405		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o2.np	Method	AAT/NAP
Start	1434	End	3561
GI	2829925	Score	966
Exons	1434..1511, 1605..1730, 2083..2261, 2343..2501, 2592..2721, 2864..3017, 3129..3214, 3331..3384, 3475..3561		
GI Descrip.	(AC002291) Similar to dnaj-like protein, gp|Y11969|2230757 [Arabidopsis thaliana]		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o2.gs	Method	GENSCAN
Start	1569	End	3876
GI	none	Score	.78
Exons	1569..1730, 1836..1916, 2083..2282, 2343..2501, 2592..2721, 2864..3017, 3129..3240, 3475..3653, 3761..3876		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o1.ts	Method	TBLASTX:Soybean
Start	1836	End	3556
GI	none	Score	68
Exons	1836..1916, 1837..1917, 2080..2262, 2081..2263, 2339..2497, 2341..2505, 2596..2718, 2910..3023, 2939..3016, 3129..3245, 3131..3214, 3319..3390, 3323..3385, 3470..3556, 3475..3555		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o1.tc	Method	TBLASTX:Cress
Start	2059	End	3020
GI	none	Score	77
Exons	2059..2181, 2075..2314, 2080..2262, 2339..2503, 2341..2505, 2599..2724, 2636..2725, 2864..3019, 2876..3010, 2907..3020		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o2.tw	Method	TBLASTX:Wheat
Start	2080	End	2503
GI	none	Score	60
Exons	2080..2211, 2081..2239, 2339..2503, 2341..2502, 2375..2503		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o1.tm	Method	TBLASTX:Maize
Start	2159	End	2724
GI	none	Score	148
Exons	2159..2263, 2160..2258, 2339..2500, 2341..2517, 2593..2724, 2636..2719		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o2.tm	Method	TBLASTX:Maize
Start	2966	End	3556
GI	none	Score	88
Exons	2966..3019, 2967..3020, 3128..3214, 3142..3231, 3319..3390, 3326..3385, 3475..3555, 3476..3556		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-
Start	1569	End	3876
Name	OJ990205_04.9819.C79.o3.tc	Method	TBLASTX:Cress
Start	3131	End	3607
GI	none	Score	57
Exons	3131..3214, 3134..3217, 3319..3390, 3323..3376, 3470..3607, 3475..3555		

Seq. No.	21903	Seq. ID	OJ990205_04.9819.C79
Gene No.	45603	Strand	-

Start	1569	End	3876
Name	OJ990205_04.9819.C79.o1.tw	Method	TBLASTX:Wheat
Start	3140	End	3555
GI	none	Score	51
Exons	3140..3214, 3147..3206, 3320..3385, 3323..3385, 3325..3390, 3467..3499, 3475..3555, 3476..3553		

Seq. No.	21904	Seq. ID	OJ990205_04.9819.C80
Gene No.	45604	Strand	-
Start	2275	End	4626
Name	OJ990205_04.9819.C80.o2.gs	Method	GENSCAN
Start	2275	End	4508
GI	none	Score	.85
Exons	2275..2787, 3123..3362, 3714..3773, 4433..4508		

Seq. No.	21904	Seq. ID	OJ990205_04.9819.C80
Gene No.	45604	Strand	-
Start	2275	End	4626
Name	OJ990205_04.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	2328	End	3614
GI	none	Score	150
Exons	2328..2426, 2457..2618, 2461..2586, 2462..2587, 2677..2733, 2684..2734, 3175..3363, 3186..3362, 3503..3598, 3504..3614		

Seq. No.	21904	Seq. ID	OJ990205_04.9819.C80
Gene No.	45604	Strand	-
Start	2275	End	4626
Name	OJ990205_04.9819.C80.o1.np	Method	AAT/NAP
Start	2332	End	4626
GI	3688193	Score	437
Exons	2332..2698, 3166..3362, 3506..3613, 3714..3773, 4433..4626		
GI Descrip.	(AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]		

Seq. No.	21904	Seq. ID	OJ990205_04.9819.C80
Gene No.	45604	Strand	-
Start	2275	End	4626
Name	OJ990205_04.9819.C80.o1.ts	Method	TBLASTX:Soybean
Start	2472	End	4517
GI	none	Score	130
Exons	2472..2558, 3165..3362, 3169..3363, 3503..3595, 3504..3614, 3508..3615, 3508..3615, 3711..3785, 3712..3786, 4424..4516, 4434..4517		

Seq. No.	21904	Seq. ID	OJ990205_04.9819.C80
Gene No.	45604	Strand	-
Start	2275	End	4626
Name	OJ990205_04.9819.C80.o1.gp	Method	AAT/GAP
Start	3303	End	4511
GI	LIB3474-005-P1-K1-G2	Score	554
Exons	3303..3362, 3506..3613, 3714..3773, 4433..4511		
GI Descrip.	'3688193/emb|CAA08995.1| 5.0e-42 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]'		

Seq. No.	21905	Seq. ID	OJ990205_04.9819.C81
Gene No.	45605	Strand	-
Start	1	End	2688
Name	OJ990205_04.9819.C81.o1.np	Method	AAT/NAP

Start	1	End	2688
GI	3688191	Score	164
Exons	1..63, 382..444, 585..672, 1175..1368, 2659..2688		
GI Descrip.	(AJ010090) MAP3K alpha protein kinase [Arabidopsis thaliana]		

Seq. No.	21905	Seq. ID	OJ990205_04.9819.C81
Gene No.	45605	Strand	-
Start	1	End	2688
Name	OJ990205_04.9819.C81.o1.gs	Method	GENSCAN
Start	382	End	1675
GI	none	Score	.41
Exons	382..444, 642..672, 1175..1675		

Seq. No.	21906	Seq. ID	OJ990205_04.9819.C82
Gene No.	45606	Strand	-
Start	3742	End	6344
Name	OJ990205_04.9819.C82.o1.np	Method	AAT/NAP
Start	3742	End	6344
GI	3540195	Score	171
Exons	3742..3858, 6069..6344		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	21906	Seq. ID	OJ990205_04.9819.C82
Gene No.	45606	Strand	-
Start	3742	End	6344
Name	OJ990205_04.9819.C82.o1.tm	Method	TBLASTX:Maize
Start	6072	End	6258
GI	none	Score	89
Exons	6072..6257, 6109..6258		

Seq. No.	21906	Seq. ID	OJ990205_04.9819.C82
Gene No.	45606	Strand	-
Start	3742	End	6344
Name	OJ990205_04.9819.C82.o1.ts	Method	TBLASTX:Soybean
Start	6072	End	6257
GI	none	Score	143
Exons	6072..6128, 6138..6257		

Seq. No.	21907	Seq. ID	OJ990205_04.9819.C83
Gene No.	45607	Strand	-
Start	143	End	5837
Name	OJ990205_04.9819.C83.o1.gs	Method	GENSCAN
Start	143	End	5837
GI	none	Score	.69
Exons	143..350, 914..1117, 4728..4860, 5728..5837		

Seq. No.	21908	Seq. ID	OJ990205_04.9819.C84
Gene No.	45608	Strand	-
Start	365	End	2121
Name	OJ990205_04.9819.C84.o1.gs	Method	GENSCAN
Start	365	End	2121
GI	none	Score	.43
Exons	365..572, 1553..1703, 1770..2121		

Seq. No.	21909	Seq. ID	OJ990205_04.9819.C85
Gene No.	45609	Strand	+
Start	1078	End	7340

Name	OJ990205_04.9819.C85.o1.gs	Method	GENSCAN
Start	1078	End	7340
GI	none	Score	.59
Exons	1078..1193, 2609..2778, 3050..3164, 3437..3566, 4643..4739, 5581..5636, 6575..6668, 7261..7340		

Seq. No.	21909	Seq. ID	OJ990205_04.9819.C85
Gene No.	45609	Strand	+
Start	1078	End	7340
Name	OJ990205_04.9819.C85.o1.gp	Method	AAT/GAP
Start	2983	End	5507
GI	none	Score	870
Exons	2983..3164, 3437..3566, 4643..4731, 5452..5507		

Seq. No.	21909	Seq. ID	OJ990205_04.9819.C85
Gene No.	45610	Strand	+
Start	7271	End	7508
Name	OJ990205_04.9819.C85.o1.tw	Method	TBLASTX:Wheat
Start	4676	End	7502
GI	none	Score	77
Exons	4676..4732, 4681..4737, 4681..4731, 5432..5518, 5443..5508, 5579..5635, 5579..5638, 5580..5639, 5580..5639, 6574..6672, 6575..6730, 7247..7339, 7247..7339, 7248..7340, 7267..7341, 7269..7340, 7270..7350, 7446..7502, 7457..7501		

Seq. No.	21909	Seq. ID	OJ990205_04.9819.C85
Gene No.	45610	Strand	+
Start	7271	End	7508
Name	OJ990205_04.9819.C85.o2.gp	Method	AAT/GAP
Start	7271	End	7508
GI	16974_1.R1084	Score	153
Exons	7271..7340, 7458..7508		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	21910	Seq. ID	OJ990205_04.9819.C86
Gene No.	45611	Strand	-
Start	1	End	1658
Name	OJ990205_04.9819.C86.o1.np	Method	AAT/NAP
Start	1	End	1658
GI	4234846	Score	741
Exons	1..1658		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	21910	Seq. ID	OJ990205_04.9819.C86
Gene No.	45611	Strand	-
Start	1	End	1658
Name	OJ990205_04.9819.C86.o1.tm	Method	TBLASTX:Maize
Start	559	End	1570
GI	none	Score	76
Exons	559..624, 566..625, 585..626, 603..710, 629..721, 635..715, 821..916, 828..911, 902..964, 936..965, 977..1039, 1027..1197, 1027..1110, 1031..1351, 1037..1354, 1038..1355, 1349..1444, 1356..1466, 1356..1451, 1453..1569, 1454..1570		

Seq. No.	21910	Seq. ID	OJ990205_04.9819.C86
Gene No.	45611	Strand	-
Start	1	End	1658

Name	OJ990205_04.9819.C86.o1.gs	Method	GENSCAN
Start	860	End	1602
GI	none	Score	.92
Exons	860..1137, 1512..1602		

Seq. No.	21911	Seq. ID	OJ990205_04.9819.C89
Gene No.	45612	Strand	-
Start	1	End	723
Name	OJ990205_04.9819.C89.o1.np	Method	AAT/NAP
Start	1	End	723
GI	2829923	Score	190
Exons	1..53, 265..379, 503..547, 671..723		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	21911	Seq. ID	OJ990205_04.9819.C89
Gene No.	45612	Strand	-
Start	1	End	723
Name	OJ990205_04.9819.C89.o1.gs	Method	GENSCAN
Start	265	End	605
GI	none	Score	.64
Exons	265..379, 503..605		

Seq. No.	21911	Seq. ID	OJ990205_04.9819.C89
Gene No.	45612	Strand	-
Start	1	End	723
Name	OJ990205_04.9819.C89.o1.tc	Method	TBLASTX:Cress
Start	266	End	721
GI	none	Score	125
Exons	266..379, 267..380, 500..547, 662..721		

Seq. No.	21911	Seq. ID	OJ990205_04.9819.C89
Gene No.	45612	Strand	-
Start	1	End	723
Name	OJ990205_04.9819.C89.o1.ts	Method	TBLASTX:Soybean
Start	266	End	700
GI	none	Score	103
Exons	266..379, 267..398, 500..550, 662..700		

Seq. No.	21912	Seq. ID	OJ990305_08.9819.C3
Gene No.	45613	Strand	+
Start	55	End	405
Name	OJ990305_08.9819.C3.o1.gs	Method	GENSCAN
Start	55	End	405
GI	none	Score	.64
Exons	55..69, 268..405		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	270	End	657
GI	none	Score	351
Exons	270..656, 281..643, 453..653, 502..654, 505..657		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+

Start	276	End	2810
Name	OJ990305_08.9819.C4.o1.np	Method	AAT/NAP
Start	276	End	2810
GI	6539553	Score	4418
Exons	276..2810		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	405	End	716
GI	none	Score	357
Exons	405..716, 413..643, 456..713		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	1217	End	1539
GI	none	Score	268
Exons	1217..1471, 1224..1538, 1244..1537, 1372..1539		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	1566	End	1952
GI	none	Score	88
Exons	1566..1721, 1704..1952		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	1740	End	2174
GI	none	Score	303
Exons	1740..2174, 1949..2149		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	1818	End	2009
GI	none	Score	275
Exons	1818..2009, 1818..2009		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	1962	End	2360
GI	none	Score	197
Exons	1962..2186, 1970..2140, 2187..2360, 2195..2233		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	1995	End	2384
GI	none	Score	112
Exons	1995..2177, 2190..2384		

Seq. No.	21913	Seq. ID	OJ990305_08.9819.C4
Gene No.	45614	Strand	+
Start	276	End	2810
Name	OJ990305_08.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	2010	End	2765
GI	none	Score	634
Exons	2010..2474, 2018..2497, 2518..2748, 2526..2765, 2548..2745, 2606..2764		

Seq. No.	21914	Seq. ID	OJ990305_08.9819.C7
Gene No.	45615	Strand	+
Start	5389	End	7073
Name	OJ990305_08.9819.C7.o2.np	Method	AAT/NAP
Start	5389	End	7073
GI	5852180	Score	575
Exons	5389..5448, 6429..6547, 6597..7073		
GI Descrip.	(AL117265) zhb00010.i [Oryza sativa]		

Seq. No.	21914	Seq. ID	OJ990305_08.9819.C7
Gene No.	45616	Strand	-
Start	1	End	1583
Name	OJ990305_08.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	799
GI	4680203	Score	406
Exons	1..799		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	21914	Seq. ID	OJ990305_08.9819.C7
Gene No.	45616	Strand	-
Start	1	End	1583
Name	OJ990305_08.9819.C7.o1.gs	Method	GENSCAN
Start	143	End	1583
GI	none	Score	.48
Exons	143..799, 1086..1144, 1217..1330, 1562..1583		

Seq. No.	21914	Seq. ID	OJ990305_08.9819.C7
Gene No.	45617	Strand	-
Start	5297	End	5679
Name	OJ990305_08.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	59	End	322
GI	none	Score	112
Exons	59..322, 60..320		

Seq. No.	21914	Seq. ID	OJ990305_08.9819.C7
Gene No.	45617	Strand	-
Start	5297	End	5679
Name	OJ990305_08.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	77	End	340

GI	none	Score	101
Exons	77..340, 77..340		

Seq. No.	21914	Seq. ID	OJ990305_08.9819.C7
Gene No.	45617	Strand	-
Start	5297	End	5679
Name	OJ990305_08.9819.C7.o1.gp	Method	AAT/GAP
Start	5297	End	5679
GI	uC-osflcyp033a04b1	Score	700
Exons	5297..5679		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45618	Strand	+
Start	77	End	319
Name	OJ990305_08.9819.C8.o1.gs	Method	GENSCAN
Start	77	End	319
GI	none	Score	.98
Exons	77..319		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45619	Strand	+
Start	3379	End	4122
Name	OJ990305_08.9819.C8.o2.np	Method	AAT/NAP
Start	3379	End	4122
GI	5295951	Score	177
Exons	3379..3782, 3986..4122		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45620	Strand	+
Start	10959	End	14349
Name	OJ990305_08.9819.C8.o3.np	Method	AAT/NAP
Start	10959	End	14349
GI	4680182	Score	1219
Exons	10959..11809, 11864..12036, 12106..12515, 12590..13097, 14326..14349		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45621	Strand	+
Start	15964	End	19134
Name	OJ990305_08.9819.C8.o7.gs	Method	GENSCAN
Start	15964	End	19134
GI	none	Score	.54
Exons	15964..16020, 17134..17265, 17590..17775, 17954..18264, 18967..19046, 19103..19134		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45622	Strand	-
Start	33	End	13017
Name	OJ990305_08.9819.C8.o1.np	Method	AAT/NAP
Start	33	End	13017
GI	5852180	Score	200
Exons	33..137, 567..836, 1887..1973, 12943..13017		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45622	Strand	-
Start	33	End	13017
Name	OJ990305_08.9819.C8.o2.gs	Method	GENSCAN
Start	527	End	1155
GI	none	Score	.99
Exons	527..751, 1024..1155		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45622	Strand	-
Start	33	End	13017
Name	OJ990305_08.9819.C8.o1.gp	Method	AAT/GAP
Start	1048	End	1119
GI	uC-osroM202024h08a1	Score	86
Exons	1048..1119		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45622	Strand	-
Start	33	End	13017
Name	OJ990305_08.9819.C8.o2.gp	Method	AAT/GAP
Start	1260	End	1786
GI	uC-osf1M202048c12b1	Score	899
Exons	1260..1786		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45622	Strand	-
Start	33	End	13017
Name	OJ990305_08.9819.C8.o3.gs	Method	GENSCAN
Start	3483	End	3860
GI	none	Score	.91
Exons	3483..3656, 3729..3860		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45622	Strand	-
Start	33	End	13017
Name	OJ990305_08.9819.C8.o4.gs	Method	GENSCAN
Start	4623	End	4988
GI	none	Score	.54
Exons	4623..4988		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45623	Strand	-
Start	14965	End	15288
Name	OJ990305_08.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	11040	End	11480
GI	none	Score	57
Exons	11040..11156, 11208..11480		

Seq. No.	21915	Seq. ID	OJ990305_08.9819.C8
Gene No.	45623	Strand	-
Start	14965	End	15288

Name	OJ990305_08.9819.C8.o6.gs	Method	GENSCAN
Start	14965	End	15288
GI	none	Score	.72
Exons	14965..15079, 15191..15288		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o1.gs	Method	GENSCAN
Start	691	End	6248
GI	none	Score	.69
Exons	691..1977, 2023..3788, 3997..4207, 4286..4858, 4897..5072, 5361..5444, 5495..6248		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o1.np	Method	AAT/NAP
Start	694	End	5193
GI	4680179	Score	5371
Exons	694..4075, 4109..5193		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o6.tw	Method	TBLASTX:Wheat
Start	739	End	1072
GI	none	Score	128
Exons	739..1071, 760..1068, 803..1072		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	919	End	1518
GI	none	Score	261
Exons	919..1359, 935..1357, 1357..1518, 1364..1510, 1396..1515		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	1072	End	1698
GI	none	Score	290
Exons	1072..1698, 1073..1642		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	1567	End	1858
GI	none	Score	208
Exons	1567..1857, 1571..1858		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-

Start	691	End	6248
Name	OJ990305_08.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	1657	End	1917
GI	none	Score	153
Exons	1657..1917, 1658..1912		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	1681	End	1998
GI	none	Score	85
Exons	1681..1824, 1682..1822, 1825..1998		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	1705	End	2272
GI	none	Score	331
Exons	1705..2241, 1706..2272		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	2263	End	2626
GI	none	Score	168
Exons	2263..2625, 2272..2625, 2276..2626		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o3.tw	Method	TBLASTX:Wheat
Start	2275	End	2697
GI	none	Score	365
Exons	2275..2697, 2276..2665		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	2446	End	2691
GI	none	Score	94
Exons	2446..2691, 2447..2674		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	2662	End	3162
GI	none	Score	50
Exons	2662..2976, 2705..2755, 2792..2836, 2983..3162, 3008..3154		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248

Name	OJ990305_08.9819.C9.o5.tw	Method	TBLASTX:Wheat
Start	2698	End	3000
GI	none	Score	267
Exons	2698..3000, 2714..2998, 2892..2999		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	2713	End	3108
GI	none	Score	184
Exons	2713..3072, 2714..3004, 3032..3070, 3076..3108		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o4.tw	Method	TBLASTX:Wheat
Start	3049	End	3535
GI	none	Score	221
Exons	3049..3426, 3052..3417, 3092..3535, 3481..3531		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	3230	End	3520
GI	none	Score	185
Exons	3230..3520, 3232..3519		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o8.tw	Method	TBLASTX:Wheat
Start	3631	End	4048
GI	none	Score	69
Exons	3631..3672, 3700..3837, 3701..3814, 3839..4048, 3840..3992		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o7.tw	Method	TBLASTX:Wheat
Start	4367	End	4718
GI	none	Score	112
Exons	4367..4717, 4524..4718		

Seq. No.	21916	Seq. ID	OJ990305_08.9819.C9
Gene No.	45624	Strand	-
Start	691	End	6248
Name	OJ990305_08.9819.C9.o6.tm	Method	TBLASTX:Maize
Start	4412	End	4717
GI	none	Score	90
Exons	4412..4717, 4587..4703		

Seq. No.	21917	Seq. ID	OJ990305_08.9819.C11
Gene No.	45625	Strand	+
Start	1	End	790
Name	OJ990305_08.9819.C11.o1.np	Method	AAT/NAP

Start	1	End	790
GI	4512242	Score	349
Exons	1..260, 584..790		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	21917	Seq. ID	OJ990305_08.9819.C11
Gene No.	45625	Strand	+
Start	1	End	790
Name	OJ990305_08.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	30	End	269
GI	none	Score	240
Exons	30..269, 89..268		

Seq. No.	21917	Seq. ID	OJ990305_08.9819.C11
Gene No.	45625	Strand	+
Start	1	End	790
Name	OJ990305_08.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	30	End	260
GI	none	Score	282
Exons	30..260, 32..241		

Seq. No.	21917	Seq. ID	OJ990305_08.9819.C11
Gene No.	45625	Strand	+
Start	1	End	790
Name	OJ990305_08.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	30	End	221
GI	none	Score	232
Exons	30..221, 41..220		

Seq. No.	21917	Seq. ID	OJ990305_08.9819.C11
Gene No.	45625	Strand	+
Start	1	End	790
Name	OJ990305_08.9819.C11.o1.gs	Method	GENSCAN
Start	49	End	347
GI	none	Score	.95
Exons	49..347		

Seq. No.	21918	Seq. ID	OJ990305_08.9819.C12
Gene No.	45626	Strand	+
Start	361	End	822
Name	OJ990305_08.9819.C12.o1.np	Method	AAT/NAP
Start	361	End	822
GI	2586082	Score	368
Exons	361..822		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	21918	Seq. ID	OJ990305_08.9819.C12
Gene No.	45626	Strand	+
Start	361	End	822
Name	OJ990305_08.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	365	End	649
GI	none	Score	99
Exons	365..421, 416..523, 422..481, 493..648, 509..649		

Seq. No.	21918	Seq. ID	OJ990305_08.9819.C12
Gene No.	45626	Strand	+
Start	361	End	822

Name	OJ990305_08.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	508	End	694
GI	none	Score	211
Exons	508..672, 509..694, 518..676		

Seq. No.	21919	Seq. ID	OJ990305_08.9819.C13
Gene No.	45627	Strand	+
Start	163	End	427
Name	OJ990305_08.9819.C13.o1.gs	Method	GENSCAN
Start	163	End	427
GI	none	Score	.89
Exons	163..427		

Seq. No.	21920	Seq. ID	OJ990305_08.9819.C14
Gene No.	45628	Strand	-
Start	63	End	188
Name	OJ990305_08.9819.C14.o1.gp	Method	AAT/GAP
Start	63	End	188
GI	none	Score	229
Exons	63..188		

Seq. No.	21920	Seq. ID	OJ990305_08.9819.C14
Gene No.	45629	Strand	-
Start	322	End	1009
Name	OJ990305_08.9819.C14.o1.np	Method	AAT/NAP
Start	322	End	1002
GI	3175990	Score	525
Exons	322..444, 539..749, 873..1002		
GI Descrip.	(AJ005836) GDP dissociation inhibitor [Cicer arietinum]		

Seq. No.	21920	Seq. ID	OJ990305_08.9819.C14
Gene No.	45629	Strand	-
Start	322	End	1009
Name	OJ990305_08.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	334	End	1000
GI	none	Score	73
Exons	334..456, 371..445, 539..787, 540..818, 854..1000, 861..998		

Seq. No.	21920	Seq. ID	OJ990305_08.9819.C14
Gene No.	45629	Strand	-
Start	322	End	1009
Name	OJ990305_08.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	334	End	947
GI	none	Score	79
Exons	334..456, 353..445, 524..739, 538..744, 539..787, 540..755, 627..788, 854..928, 861..923, 863..901, 890..943, 894..947		

Seq. No.	21920	Seq. ID	OJ990305_08.9819.C14
Gene No.	45629	Strand	-
Start	322	End	1009
Name	OJ990305_08.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	334	End	1000
GI	none	Score	86
Exons	334..456, 353..445, 371..457, 538..747, 539..748, 540..755, 666..788, 853..999, 854..1000, 860..988, 861..998, 874..999		

Seq. No.	21920	Seq. ID	OJ990305_08.9819.C14

Gene No.	45629	Strand	-
Start	322	End	1009
Name	OJ990305_08.9819.C14.o1.gs	Method	GENSCAN
Start	370	End	705
GI	none	Score	.89
Exons	370..444, 539..705		

Seq. No.	21920	Seq. ID	OJ990305_08.9819.C14
Gene No.	45629	Strand	-
Start	322	End	1009
Name	OJ990305_08.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	672	End	1009
GI	none	Score	104
Exons	672..755, 673..747, 674..787, 854..1009, 860..988, 861..998		

Seq. No.	21921	Seq. ID	OJ990305_08.9819.C15
Gene No.	45630	Strand	+
Start	1	End	718
Name	OJ990305_08.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6721517	Score	627
Exons	1..718		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	21921	Seq. ID	OJ990305_08.9819.C15
Gene No.	45630	Strand	+
Start	1	End	718
Name	OJ990305_08.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	100	End	453
GI	none	Score	112
Exons	100..315, 316..453, 334..402, 387..446		

Seq. No.	21921	Seq. ID	OJ990305_08.9819.C15
Gene No.	45630	Strand	+
Start	1	End	718
Name	OJ990305_08.9819.C15.o1.gs	Method	GENSCAN
Start	178	End	632
GI	none	Score	.4
Exons	178..632		

Seq. No.	21921	Seq. ID	OJ990305_08.9819.C15
Gene No.	45630	Strand	+
Start	1	End	718
Name	OJ990305_08.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	417	End	654
GI	none	Score	212
Exons	417..653, 418..654, 514..654		

Seq. No.	21921	Seq. ID	OJ990305_08.9819.C15
Gene No.	45630	Strand	+
Start	1	End	718
Name	OJ990305_08.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	483	End	654
GI	none	Score	188
Exons	483..644, 511..654, 520..654		

Seq. No.	21922	Seq. ID	OJ990305_08.9819.C18

Gene No.	45631	Strand	
Start	216	End	464
Name	OJ990305_08.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	216	End	464
GI	none	Score	196
Exons	216..464, 219..464		

Seq. No.	21923	Seq. ID	OJ990305_08.9819.C19
Gene No.	45632	Strand	+
Start	1	End	745
Name	OJ990305_08.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	745
GI	2586082	Score	654
Exons	1..745		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	21923	Seq. ID	OJ990305_08.9819.C19
Gene No.	45632	Strand	+
Start	1	End	745
Name	OJ990305_08.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	55	End	435
GI	none	Score	97
Exons	55..177, 60..176, 214..279, 216..281, 298..435		

Seq. No.	21923	Seq. ID	OJ990305_08.9819.C19
Gene No.	45632	Strand	+
Start	1	End	745
Name	OJ990305_08.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	252	End	540
GI	none	Score	66
Exons	252..275, 253..318, 348..464, 349..462, 463..540		

Seq. No.	21923	Seq. ID	OJ990305_08.9819.C19
Gene No.	45632	Strand	+
Start	1	End	745
Name	OJ990305_08.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	253	End	591
GI	none	Score	70
Exons	253..339, 351..455, 352..459, 475..591		

Seq. No.	21924	Seq. ID	OJ990305_08.9819.C23
Gene No.	45633	Strand	+
Start	1	End	660
Name	OJ990305_08.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	660
GI	4680179	Score	598
Exons	1..660		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	21924	Seq. ID	OJ990305_08.9819.C23
Gene No.	45633	Strand	+
Start	1	End	660
Name	OJ990305_08.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	196	End	603
GI	none	Score	420
Exons	196..603, 213..551, 226..597		

Seq. No.	21924	Seq. ID	OJ990305_08.9819.C23
Gene No.	45633	Strand	+
Start	1	End	660
Name	OJ990305_08.9819.C23.o1.gs	Method	GENSCAN
Start	212	End	597
GI	none	Score	.86
Exons	212..597		

Seq. No.	21924	Seq. ID	OJ990305_08.9819.C23
Gene No.	45633	Strand	+
Start	1	End	660
Name	OJ990305_08.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	258	End	519
GI	none	Score	284
Exons	258..518, 259..519		

Seq. No.	21925	Seq. ID	OJ990305_08.9819.C24
Gene No.	45634	Strand	-
Start	9	End	168
Name	OJ990305_08.9819.C24.o1.gs	Method	GENSCAN
Start	9	End	168
GI	none	Score	.93
Exons	9..168		

Seq. No.	21926	Seq. ID	OJ990305_08.9819.C26
Gene No.	45635	Strand	-
Start	227	End	741
Name	OJ990305_08.9819.C26.o1.np	Method	AAT/NAP
Start	227	End	741
GI	3355623	Score	204
Exons	227..399, 595..741		
GI Descrip.	(AJ000240) partial sequence, homology to GDP dissociation inhibitor [Hordeum vulgare]		

Seq. No.	21926	Seq. ID	OJ990305_08.9819.C26
Gene No.	45635	Strand	-
Start	227	End	741
Name	OJ990305_08.9819.C26.o1.gs	Method	GENSCAN
Start	316	End	648
GI	none	Score	.75
Exons	316..399, 595..648		

Seq. No.	21926	Seq. ID	OJ990305_08.9819.C26
Gene No.	45635	Strand	-
Start	227	End	741
Name	OJ990305_08.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	316	End	666
GI	none	Score	93
Exons	316..402, 317..400, 592..660, 593..658, 595..666		

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30
Gene No.	45636	Strand	-
Start	1	End	464
Name	OJ990305_08.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	464
GI	6539553	Score	566
Exons	1..464		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30
Gene No.	45637	Strand	-
Start	4446	End	5406
Name	OJ990305_08.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	121	End	335
GI	none	Score	175
Exons	121..327, 126..335		

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30
Gene No.	45637	Strand	-
Start	4446	End	5406
Name	OJ990305_08.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	124	End	470
GI	none	Score	207
Exons	124..459, 126..470		

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30
Gene No.	45637	Strand	-
Start	4446	End	5406
Name	OJ990305_08.9819.C30.o2.gs	Method	GENSCAN
Start	4446	End	5399
GI	none	Score	.96
Exons	4446..5399		

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30
Gene No.	45637	Strand	-
Start	4446	End	5406
Name	OJ990305_08.9819.C30.o2.np	Method	AAT/NAP
Start	4455	End	5406
GI	4191255	Score	782
Exons	4455..5406		

GI Descrip. (AJ132323) chalcone synthase [Casuarina glauca]

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30
Gene No.	45637	Strand	-
Start	4446	End	5406
Name	OJ990305_08.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	4458	End	5405
GI	none	Score	49
Exons	4458..4538, 4471..4539, 4551..4721, 4591..4719, 4785..5279, 5017..5277, 5343..5405		

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30
Gene No.	45637	Strand	-
Start	4446	End	5406
Name	OJ990305_08.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	4464	End	5279
GI	none	Score	58
Exons	4464..4547, 4468..4539, 4494..4721, 4585..4719, 4791..4931, 4804..4914, 4980..5279, 5017..5070, 5131..5277		

Seq. No.	21927	Seq. ID	OJ990305_08.9819.C30

Gene No.	45637	Strand	-
Start	4446	End	5406
Name	OJ990305_08.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	4464	End	5405
GI	none	Score	48
Exons	4464..4547, 4471..4539, 4494..4721, 4585..4719, 4785..4931, 4980..5102, 4980..5279, 4981..5277, 5337..5405, 5343..5405		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45638	Strand	+
Start	2592	End	3261
Name	OJ990305_08.9819.C31.o2.np	Method	AAT/NAP
Start	2592	End	3261
GI	6630696	Score	990
Exons	2592..3261		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45639	Strand	+
Start	19485	End	26550
Name	OJ990305_08.9819.C31.o3.np	Method	AAT/NAP
Start	19473	End	23816
GI	2586082	Score	4599
Exons	19473..21849, 21877..23816		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45639	Strand	+
Start	19485	End	26550
Name	OJ990305_08.9819.C31.o5.gs	Method	GENSCAN
Start	19485	End	26550
GI	none	Score	.8
Exons	19485..23730, 24521..24636, 25399..25496, 25758..26043, 26386..26550		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45639	Strand	+
Start	19485	End	26550
Name	OJ990305_08.9819.C31.o5.np	Method	AAT/NAP
Start	21800	End	26523
GI	6069646	Score	277
Exons	21800..21821, 25211..25248, 25530..26523		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45640	Strand	-
Start	1	End	572
Name	OJ990305_08.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	572
GI	6684426	Score	193
Exons	1..64, 373..572		

GI Descrip. (AF112105) chalcome synthase [Arabis procurrens]

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45640	Strand	-
Start	1	End	572
Name	OJ990305_08.9819.C31.o1.gs	Method	GENSCAN
Start	377	End	566
GI	none	Score	.9
Exons	377..566		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o4.ts	Method	TBLASTX:Soybean
Start	375	End	545
GI	none	Score	108
Exons	375..545, 379..540		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o5.tc	Method	TBLASTX:Cress
Start	375	End	545
GI	none	Score	110
Exons	375..545, 379..519		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o9.tm	Method	TBLASTX:Maize
Start	375	End	575
GI	none	Score	138
Exons	375..575, 379..522		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	2638	End	23846
GI	none	Score	109
Exons	2638..2769, 2788..3012, 23169..23783, 23171..23296, 23363..23773, 23817..23846		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o5.tm	Method	TBLASTX:Maize
Start	2638	End	23294
GI	none	Score	113
Exons	2638..2757, 23102..23293, 23103..23294		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o2.tc	Method	TBLASTX:Cress
Start	2641	End	23792
GI	none	Score	82

Exons	2641..2769, 23148..23351, 23361..23432, 23442..23564, 23598..23792		
Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	2649	End	23561
GI	none	Score	97
Exons	2649..2723, 2650..2724, 2650..2730, 2739..3125, 2740..3123, 23211..23285, 23346..23561, 23366..23557		
Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o7.tw	Method	TBLASTX:Wheat
Start	3404	End	3760
GI	none	Score	87
Exons	3404..3436, 3474..3542, 3481..3543, 3543..3620, 3545..3613, 3546..3620, 3547..3621, 3571..3720, 3619..3732, 3629..3736, 3728..3760		
Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o2.gs	Method	GENSCAN
Start	4342	End	5045
GI	none	Score	.62
Exons	4342..4442, 4985..5045		
Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o10.tm	Method	TBLASTX:Maize
Start	18526	End	18895
GI	none	Score	128
Exons	18526..18570, 18669..18857, 18674..18850, 18674..18895, 18798..18884		
Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o5.tw	Method	TBLASTX:Wheat
Start	19491	End	19868
GI	none	Score	229
Exons	19491..19868		
Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o4.tc	Method	TBLASTX:Cress
Start	19545	End	20066
GI	none	Score	79
Exons	19545..19673, 19692..20066		
Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-

Start	4342	End	23846
Name	OJ990305_08.9819.C31.o3.tm	Method	TBLASTX:Maize
Start	19568	End	19988
GI	none	Score	117
Exons	19568..19678, 19569..19679, 19692..19988, 19742..19981		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o6.tw	Method	TBLASTX:Wheat
Start	19869	End	20153
GI	none	Score	187
Exons	19869..20153, 19884..20027		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	20396	End	20749
GI	none	Score	428
Exons	20396..20749, 20397..20744		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o6.tm	Method	TBLASTX:Maize
Start	20454	End	20756
GI	none	Score	260
Exons	20454..20756, 20454..20744		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o5.ts	Method	TBLASTX:Soybean
Start	20835	End	21236
GI	none	Score	70
Exons	20835..20921, 20933..21037, 20934..21041, 21057..21236		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	21231	End	21695
GI	none	Score	337
Exons	21231..21695		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o4.tm	Method	TBLASTX:Maize
Start	21240	End	21665
GI	none	Score	68
Exons	21240..21329, 21306..21665		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846

Name	OJ990305_08.9819.C31.o3.ts	Method	TBLASTX:Soybean
Start	21258	End	21677
GI	none	Score	280
Exons	21258..21677		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o4.tw	Method	TBLASTX:Wheat
Start	21348	End	21733
GI	none	Score	282
Exons	21348..21683, 21351..21686, 21428..21733		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o2.ts	Method	TBLASTX:Soybean
Start	22287	End	22787
GI	5509260	Score	418
Exons	22287..22787, 22409..22573, 22615..22746		
GI Descrip.	-		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o8.tm	Method	TBLASTX:Maize
Start	22334	End	22586
GI	none	Score	219
Exons	22334..22585, 22335..22586		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o3.tc	Method	TBLASTX:Cress
Start	22396	End	22673
GI	none	Score	295
Exons	22396..22461, 22403..22654, 22404..22673, 22483..22665		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o3.tw	Method	TBLASTX:Wheat
Start	22454	End	23117
GI	none	Score	291
Exons	22454..22582, 22455..22799, 22615..22680, 22791..22994, 23019..23117		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	22587	End	23033
GI	none	Score	403
Exons	22587..23033		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-

Start	4342	End	23846
Name	OJ990305_08.9819.C31.o6.tc	Method	TBLASTX:Cress
Start	22854	End	23102
GI	none	Score	196
Exons	22854..23102, 22854..22994, 23030..23101		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45641	Strand	-
Start	4342	End	23846
Name	OJ990305_08.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	23295	End	23759
GI	none	Score	42
Exons	23295..23357, 23336..23470, 23337..23465, 23471..23758, 23472..23759		

Seq. No.	21928	Seq. ID	OJ990305_08.9819.C31
Gene No.	45642	Strand	
Start	25924	End	26514
Name	OJ990305_08.9819.C31.o7.tm	Method	TBLASTX:Maize
Start	25924	End	26514
GI	none	Score	81
Exons	25924..26013, 26068..26256, 26371..26514		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45643	Strand	+
Start	312	End	1046
Name	OJ990305_08.9819.C32.o1.gs	Method	GENSCAN
Start	312	End	1046
GI	none	Score	.84
Exons	312..1046		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45644	Strand	+
Start	2030	End	6725
Name	OJ990305_08.9819.C32.o1.np	Method	AAT/NAP
Start	2030	End	6725
GI	2501850	Score	1241
Exons	2030..2116, 2552..2614, 2810..2893, 3165..3272, 3363..3535, 4285..4396, 4743..4823, 4911..4973, 5428..5529, 6267..6725		
GI Descrip.	(AF012823) GDP dissociation inhibitor [Nicotiana tabacum]		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45644	Strand	+
Start	2030	End	6725
Name	OJ990305_08.9819.C32.o2.gs	Method	GENSCAN
Start	2030	End	4453
GI	none	Score	.85
Exons	2030..2116, 2552..2614, 2810..2893, 3165..3272, 3363..3535, 4285..4453		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45644	Strand	+
Start	2030	End	6725
Name	OJ990305_08.9819.C32.o2.gp	Method	AAT/GAP
Start	2120	End	2187
GI	53415_1.R1084	Score	63
Exons	2120..2187		

GI Descrip. '130897/sp|P20664|PRI1_MOUSE 9.0e-18 DNA PRIMASE SMALL SUBUNIT (DNA PRIMASE 49 KD SUBUNIT) (P49) >gi_423418_pir__D46642 DNA primase (EC 2.7.7.-) 46K chain - mouse >gi_303661_dbj_BAA02744.1_ (D13544) primase small subunit [Mus musculus]'

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45645	Strand	-
Start	1971	End	6414
Name	OJ990305_08.9819.C32.o1.gp	Method	AAT/GAP
Start	1971	End	2235
GI	uC-osf1M202075d10b1	Score	256
Exons	1971..2121, 2211..2235		

GI Descrip. '3355623/emb|CAA03964| 1.0e-17 (AJ000240) partial sequence, homology to GDP dissociation inhibitor [Hordeum vulgare]'

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45645	Strand	-
Start	1971	End	6414
Name	OJ990305_08.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	2014	End	6327
GI	none	Score	151
Exons	2014..2118, 2018..2122, 2547..2603, 2549..2617, 2549..2614, 2551..2616, 2798..2893, 2807..2893, 2809..2898, 3163..3273, 3163..3270, 3164..3271, 3165..3275, 3342..3536, 3360..3533, 3361..3537, 3362..3535, 4279..4395, 4286..4411, 4286..4396, 4737..4823, 4741..4830, 4742..4822, 4902..4982, 4902..4982, 4909..4983, 4909..5001, 5425..5535, 5430..5531, 6264..6326, 6265..6327, 6266..6325, 6273..6326		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45645	Strand	-
Start	1971	End	6414
Name	OJ990305_08.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	2029	End	6414
GI	none	Score	131
Exons	2029..2121, 2030..2122, 2543..2614, 2549..2617, 2551..2616, 2807..2893, 2809..2898, 3164..3274, 3165..3275, 3342..3536, 3365..3532, 4273..4419, 4286..4411, 4737..4823, 4742..4825, 4742..4819, 4902..4982, 4902..4982, 4909..4983, 4916..4990, 5425..5535, 5430..5513, 6255..6410, 6265..6414, 6266..6403, 6276..6404		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45645	Strand	-
Start	1971	End	6414
Name	OJ990305_08.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	2029	End	6410
GI	none	Score	135
Exons	2029..2118, 2030..2122, 2549..2617, 2549..2614, 2551..2616, 2807..2893, 2809..2898, 3164..3274, 3165..3275, 3342..3536, 3360..3530, 3368..3532, 4285..4419, 4286..4411, 4737..4823, 4745..4825, 4748..4819, 4899..4982, 4902..4982, 4907..5002, 4909..4983, 5425..5535, 5430..5531, 6264..6410, 6266..6403, 6276..6404		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32

Gene No.	45645	Strand	-
Start	1971	End	6414
Name	OJ990305_08.9819.C32.o1.tw	Method	TBLASTX:Wheat
Start	2547	End	3497
GI	none	Score	56
Exons	2547..2603, 2550..2603, 2551..2610, 2555..2617, 2798..2893, 2806..2898, 2807..2893, 3164..3271, 3165..3275, 3342..3497, 3362..3496		

Seq. No.	21929	Seq. ID	OJ990305_08.9819.C32
Gene No.	45645	Strand	-
Start	1971	End	6414
Name	OJ990305_08.9819.C32.o2.tw	Method	TBLASTX:Wheat
Start	4770	End	6410
GI	none	Score	101
Exons	4770..4823, 4771..4830, 4772..4822, 4902..4982, 4909..4983, 4909..4983, 5425..5535, 5430..5531, 6255..6410, 6266..6403, 6276..6404		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	1879
GI	3175990	Score	327
Exons	1..51, 619..1194, 1289..1363, 1832..1879		
GI Descrip.	(AJ005836) GDP dissociation inhibitor [Cicer arietinum]		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	1023	End	1399
GI	none	Score	240
Exons	1023..1193, 1024..1194, 1042..1209, 1049..1195, 1277..1399, 1288..1380, 1289..1387		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o2.tm	Method	TBLASTX:Maize
Start	1023	End	1399
GI	none	Score	235
Exons	1023..1193, 1024..1191, 1270..1380, 1276..1362, 1277..1399		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	1024	End	1399
GI	none	Score	235
Exons	1024..1194, 1026..1193, 1277..1399, 1288..1362		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o1.gs	Method	GENSCAN

Start	1028	End	6446
GI	none	Score	.64
Exons	1028..1194, 1289..1363, 2038..2056, 2086..2168, 2666..2875, 4481..4713, 5076..5217, 5526..6098, 6333..6446		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o1.gp	Method	AAT/GAP
Start	1545	End	1683
GI	none	Score	274
Exons	1545..1683		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o2.np	Method	AAT/NAP
Start	5098	End	7227
GI	6911848	Score	1177
Exons	5098..5217, 5526..6098, 6333..6487, 7183..7227		
GI Descrip.	(AL138649) n-acetylglucosaminyl-phosphatidylinositol-like protein [Arabidopsis thaliana]		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o2.ts	Method	TBLASTX:Soybean
Start	5110	End	5648
GI	none	Score	190
Exons	5110..5220, 5112..5219, 5523..5648, 5523..5639, 5525..5641		

Seq. No.	21930	Seq. ID	OJ990305_08.9819.C33
Gene No.	45646	Strand	+
Start	1	End	7227
Name	OJ990305_08.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	5612	End	6101
GI	none	Score	626
Exons	5612..6100, 5612..6094, 5613..6101		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45647	Strand	+
Start	1	End	2419
Name	OJ990305_08.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	1569
GI	6911848	Score	422
Exons	1..389, 624..720, 813..934, 1103..1206, 1317..1407, 1480..1569		
GI Descrip.	(AL138649) n-acetylglucosaminyl-phosphatidylinositol-like protein [Arabidopsis thaliana]		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45647	Strand	+
Start	1	End	2419
Name	OJ990305_08.9819.C34.o1.gs	Method	GENSCAN
Start	626	End	2419
GI	none	Score	.6
Exons	626..716, 818..934, 1103..1206, 2248..2419		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o2.tm	Method	TBLASTX:Maize
Start	623	End	1355
GI	none	Score	150
Exons	623..772, 624..719, 625..729, 815..937, 817..948, 827..937, 1102..1218, 1103..1219, 1105..1218, 1315..1353, 1317..1355		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o2.np	Method	AAT/NAP
Start	890	End	5772
GI	6433991	Score	358
Exons	890..967, 2936..3036, 3229..3331, 3406..3549, 3621..3708, 4612..4709, 4793..4911, 5509..5618, 5711..5772		
GI Descrip.	(AL132798) mak16-like protein [Schizosaccharomyces pombe]		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o2.ts	Method	TBLASTX:Soybean
Start	1097	End	1509
GI	none	Score	131
Exons	1097..1219, 1111..1218, 1315..1407, 1317..1406, 1477..1509, 1479..1508		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o1.gp	Method	AAT/GAP
Start	2332	End	3031
GI	27063_1.R1084	Score	938
Exons	2332..2721, 2924..3031		
GI Descrip.	'1109826/gb|AAB47596.1| 3.0e-16 (U41534) similar to yeast MAK16 protein (SP:MK16_YEAST,P10962) [Caenorhabditis elegans]'		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o2.gs	Method	GENSCAN
Start	2674	End	5769
GI	none	Score	.86
Exons	2674..2721, 2924..3036, 3229..3331, 3415..3549, 3621..3708, 4612..4709, 4793..4911, 5509..5618, 5711..5769		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	2918	End	5772
GI	none	Score	79
Exons	2918..3037, 2922..3044, 3274..3297, 3412..3549, 3439..3573, 3615..3713, 3624..3707, 4589..4708, 4608..4709, 4611..4709, 4612..4710, 4773..4916, 4793..4912, 5498..5629, 5505..5621, 5710..5772, 5711..5758		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	2918	End	5772
GI	none	Score	79
Exons	2918..3037, 2922..3044, 3274..3297, 3412..3549, 3439..3573, 3615..3713, 3624..3707, 4589..4708, 4608..4709, 4611..4709, 4612..4710, 4773..4916, 4793..4912, 5498..5629, 5505..5621, 5710..5772, 5711..5758		

Seq. No.	21931	Seq. ID	OJ990305_08.9819.C34
Gene No.	45648	Strand	-
Start	890	End	5772
Name	OJ990305_08.9819.C34.o2.gp	Method	AAT/GAP
Start	3423	End	4833
GI	427797	Score	640
Exons	3423..3549, 3621..3708, 4612..4709, 4793..4833		
GI Descrip.	1109826/gb|AAB47596.1| 3.0e-16 (U41534) similar to yeast MAK16 protein (SP:MK16_YEAST,P10962) [Caenorhabditis elegans]		

Seq. No.	21932	Seq. ID	OJ990305_08.9819.C37
Gene No.	45649	Strand	
Start	118	End	366
Name	OJ990305_08.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	118	End	366
GI	none	Score	195
Exons	118..366, 138..251, 202..363		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45650	Strand	+
Start	4033	End	9218
Name	OJ990105_06.9819.C2.o2.gs	Method	GENSCAN
Start	4033	End	9191
GI	none	Score	.55
Exons	4033..4113, 5207..5429, 5771..6034, 6236..6430, 6638..7305, 7521..7664, 7913..8233, 8499..9191		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45650	Strand	+
Start	4033	End	9218
Name	OJ990105_06.9819.C2.o4.np	Method	AAT/NAP
Start	5773	End	9218
GI	6630696	Score	5181
Exons	5773..9218		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o1.np	Method	AAT/NAP
Start	1248	End	3307
GI	6069646	Score	987
Exons	1248..2234, 2517..3307		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	1261	End	1829
GI	none	Score	77
Exons	1261..1479, 1263..1475, 1494..1829, 1621..1761		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o7.tw	Method	TBLASTX:Wheat
Start	1374	End	1742
GI	none	Score	179
Exons	1374..1421, 1530..1742		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o8.tm	Method	TBLASTX:Maize
Start	1947	End	2252
GI	none	Score	126
Exons	1947..2054, 2061..2252, 2062..2232		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	2217	End	2657
GI	none	Score	38
Exons	2217..2360, 2221..2274, 2259..2357, 2361..2657, 2584..2655		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	2292	End	2984
GI	none	Score	95
Exons	2292..2984, 2296..2502, 2586..2750, 2829..2972		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o9.tw	Method	TBLASTX:Wheat
Start	2775	End	3059
GI	none	Score	55
Exons	2775..3059, 2854..2883		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419

Name	OJ990105_06.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	2985	End	3329
GI	none	Score	166
Exons	2985..3329, 3016..3315		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45651	Strand	-
Start	1248	End	3419
Name	OJ990105_06.9819.C2.o8.tw	Method	TBLASTX:Wheat
Start	3084	End	3419
GI	none	Score	82
Exons	3084..3290, 3088..3327, 3285..3419		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45652	Strand	
Start	3495	End	3822
Name	OJ990105_06.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	3495	End	3822
GI	none	Score	110
Exons	3495..3821, 3598..3822		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45653	Strand	
Start	5668	End	6099
Name	OJ990105_06.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	5668	End	6063
GI	none	Score	90
Exons	5668..5802, 5685..5765, 5779..6063, 5868..5984, 5932..6063		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45653	Strand	
Start	5668	End	6099
Name	OJ990105_06.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	5815	End	6099
GI	none	Score	255
Exons	5815..6099, 5818..6096		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45654	Strand	
Start	6632	End	7022
Name	OJ990105_06.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	6632	End	7022
GI	none	Score	232
Exons	6632..6913, 6633..6899, 6636..6926, 6637..6963, 6927..7022, 6928..7020		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45655	Strand	
Start	7069	End	8158
Name	OJ990105_06.9819.C2.o6.tw	Method	TBLASTX:Wheat
Start	7069	End	7407
GI	none	Score	256
Exons	7069..7407, 7144..7398, 7179..7406		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45655	Strand	
Start	7069	End	8158

Name	OJ990105_06.9819.C2.o10.tm	Method	TBLASTX:Maize
Start	7108	End	7571
GI	none	Score	187
Exons	7108..7479, 7437..7571		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45655	Strand	
Start	7069	End	8158
Name	OJ990105_06.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	7360	End	7757
GI	none	Score	68
Exons	7360..7449, 7437..7589, 7442..7606, 7584..7757		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45655	Strand	
Start	7069	End	8158
Name	OJ990105_06.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	7408	End	8158
GI	none	Score	42
Exons	7408..7449, 7436..7561, 7436..7843, 7437..7835, 7612..7869, 7613..7846, 7840..7956, 7844..7984, 7965..8153, 7970..8158, 7975..8154		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45656	Strand	
Start	8078	End	9218
Name	OJ990105_06.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	8078	End	8540
GI	5509260	Score	125
Exons	8078..8263, 8248..8520, 8259..8540		
GI Descrip.	-		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45656	Strand	
Start	8078	End	9218
Name	OJ990105_06.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	8171	End	8429
GI	none	Score	102
Exons	8171..8266, 8172..8255, 8259..8429, 8361..8420		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45656	Strand	
Start	8078	End	9218
Name	OJ990105_06.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	8213	End	8960
GI	none	Score	51
Exons	8213..8263, 8265..8540, 8529..8735, 8889..8960		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45656	Strand	
Start	8078	End	9218
Name	OJ990105_06.9819.C2.o9.tm	Method	TBLASTX:Maize
Start	8213	End	8522
GI	none	Score	44
Exons	8213..8257, 8268..8522		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2

Gene No.	45656	Strand	
Start	8078	End	9218
Name	OJ990105_06.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	8588	End	8935
GI	none	Score	141
Exons	8588..8716, 8589..8747, 8748..8927, 8750..8935		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45656	Strand	
Start	8078	End	9218
Name	OJ990105_06.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	8739	End	9086
GI	none	Score	311
Exons	8739..9086, 8753..9085		

Seq. No.	21933	Seq. ID	OJ990105_06.9819.C2
Gene No.	45656	Strand	
Start	8078	End	9218
Name	OJ990105_06.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	8961	End	9218
GI	none	Score	83
Exons	8961..9023, 8963..9016, 9017..9175, 9032..9181, 9033..9176, 9042..9191, 9175..9216, 9180..9218		

Seq. No.	21934	Seq. ID	OJ990105_06.9819.C3
Gene No.	45657	Strand	-
Start	1558	End	3319
Name	OJ990105_06.9819.C3.o1.gs	Method	GENSCAN
Start	1558	End	3319
GI	none	Score	.46
Exons	1558..1751, 2119..2257, 2335..2427, 2527..2586, 2846..2988, 2999..3081, 3165..3319		

Seq. No.	21935	Seq. ID	OJ990105_06.9819.C4
Gene No.	45658	Strand	-
Start	217	End	306
Name	OJ990105_06.9819.C4.o1.gs	Method	GENSCAN
Start	217	End	306
GI	none	Score	.49
Exons	217..306		

Seq. No.	21936	Seq. ID	OJ990105_06.9819.C5
Gene No.	45659	Strand	+
Start	565	End	741
Name	OJ990105_06.9819.C5.o1.gs	Method	GENSCAN
Start	565	End	741
GI	none	Score	.93
Exons	565..741		

Seq. No.	21936	Seq. ID	OJ990105_06.9819.C5
Gene No.	45660	Strand	-
Start	2083	End	4027
Name	OJ990105_06.9819.C5.o2.gs	Method	GENSCAN
Start	2083	End	4027
GI	none	Score	.72
Exons	2083..2309, 2342..2617, 3809..3919, 3964..4027		

Seq. No.	21937	Seq. ID	OJ990105_06.9819.C8
Gene No.	45661	Strand	+
Start	46	End	356
Name	OJ990105_06.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	29	End	356
GI	none	Score	294
Exons	29..235, 29..241, 31..243, 240..356, 244..354		

Seq. No.	21937	Seq. ID	OJ990105_06.9819.C8
Gene No.	45661	Strand	+
Start	46	End	356
Name	OJ990105_06.9819.C8.o1.gs	Method	GENSCAN
Start	46	End	238
GI	none	Score	.86
Exons	46..64, 81..238		

Seq. No.	21938	Seq. ID	OJ990105_06.9819.C10
Gene No.	45662	Strand	+
Start	1323	End	1494
Name	OJ990105_06.9819.C10.o1.np	Method	AAT/NAP
Start	1323	End	1494
GI	6063554	Score	127
Exons	1323..1494		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	21938	Seq. ID	OJ990105_06.9819.C10
Gene No.	45663	Strand	-
Start	658	End	1941
Name	OJ990105_06.9819.C10.o1.gs	Method	GENSCAN
Start	658	End	1941
GI	none	Score	.62
Exons	658..767, 1226..1309, 1469..1622, 1862..1941		

Seq. No.	21939	Seq. ID	OJ990105_06.9819.C11
Gene No.	45664	Strand	-
Start	750	End	2375
Name	OJ990105_06.9819.C11.o1.np	Method	AAT/NAP
Start	750	End	2375
GI	6539588	Score	224
Exons	750..765, 2090..2375		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	21940	Seq. ID	OJ990105_06.9819.C12
Gene No.	45665	Strand	+
Start	133	End	323
Name	OJ990105_06.9819.C12.o1.gs	Method	GENSCAN
Start	133	End	323
GI	none	Score	.7
Exons	133..323		

Seq. No.	21940	Seq. ID	OJ990105_06.9819.C12
Gene No.	45666	Strand	-
Start	364	End	636
Name	OJ990105_06.9819.C12.o1.gp	Method	AAT/GAP
Start	364	End	636

GI	2427384	Score	476
Exons	364..636		

Seq. No.	21941	Seq. ID	OJ990105_06.9819.C14
Gene No.	45667	Strand	+
Start	996	End	2174
Name	OJ990105_06.9819.C14.o1.gs	Method	GENSCAN
Start	996	End	2174
GI	none	Score	.5
Exons	996..1013, 1765..1930, 1993..2174		

Seq. No.	21942	Seq. ID	OJ990105_06.9819.C15
Gene No.	45668	Strand	-
Start	1249	End	4473
Name	OJ990105_06.9819.C15.o1.np	Method	AAT/NAP
Start	1242	End	4473
GI	6815097	Score	1730
Exons	1242..1483, 1625..3278, 3394..4473		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	21942	Seq. ID	OJ990105_06.9819.C15
Gene No.	45668	Strand	-
Start	1249	End	4473
Name	OJ990105_06.9819.C15.o2.gs	Method	GENSCAN
Start	1249	End	3251
GI	none	Score	.62
Exons	1249..1650, 1756..1848, 1983..3251		

Seq. No.	21943	Seq. ID	OJ990105_06.9819.C16
Gene No.	45669	Strand	-
Start	1	End	741
Name	OJ990105_06.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	337
GI	1154954	Score	283
Exons	1..337		
GI Descrip.	(X94693) histone H2A [Triticum aestivum]		

Seq. No.	21943	Seq. ID	OJ990105_06.9819.C16
Gene No.	45669	Strand	-
Start	1	End	741
Name	OJ990105_06.9819.C16.o2.np	Method	AAT/NAP
Start	1	End	741
GI	6523547	Score	169
Exons	1..20, 123..269, 392..741		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	21943	Seq. ID	OJ990105_06.9819.C16
Gene No.	45669	Strand	-
Start	1	End	741
Name	OJ990105_06.9819.C16.o1.gs	Method	GENSCAN
Start	80	End	337
GI	none	Score	.64
Exons	80..337		

Seq. No.	21944	Seq. ID	OJ990105_06.9819.C17

Gene No.	45670	Strand	-
Start	1273	End	1931
Name	OJ990105_06.9819.C17.o1.gs	Method	GENSCAN
Start	1273	End	1931
GI	none	Score	.71
Exons	1273..1344, 1818..1931		

Seq. No.	21945	Seq. ID	OJ990105_06.9819.C18
Gene No.	45671	Strand	+
Start	826	End	884
Name	OJ990105_06.9819.C18.o1.gp	Method	AAT/GAP
Start	826	End	884
GI	77434_1.R1084	Score	81
Exons	826..884		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	21946	Seq. ID	OJ990105_06.9819.C19
Gene No.	45672	Strand	-
Start	766	End	2110
Name	OJ990105_06.9819.C19.o1.gs	Method	GENSCAN
Start	766	End	2107
GI	none	Score	.74
Exons	766..973, 1394..1589, 1690..2107		

Seq. No.	21946	Seq. ID	OJ990105_06.9819.C19
Gene No.	45672	Strand	-
Start	766	End	2110
Name	OJ990105_06.9819.C19.o1.np	Method	AAT/NAP
Start	1676	End	2110
GI	4680185	Score	477
Exons	1676..2110		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	21946	Seq. ID	OJ990105_06.9819.C19
Gene No.	45673	Strand	-
Start	2992	End	3204
Name	OJ990105_06.9819.C19.o2.np	Method	AAT/NAP
Start	2992	End	3204
GI	4680186	Score	111
Exons	2992..3204		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	21947	Seq. ID	OJ990105_06.9819.C21
Gene No.	45674	Strand	-
Start	493	End	876
Name	OJ990105_06.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	388	End	690
GI	none	Score	86
Exons	388..651, 397..690		

Seq. No.	21947	Seq. ID	OJ990105_06.9819.C21
Gene No.	45674	Strand	-
Start	493	End	876
Name	OJ990105_06.9819.C21.o1.gs	Method	GENSCAN
Start	493	End	876
GI	none	Score	1

Exons	493..876		
Seq. No.	21948	Seq. ID	OJ990105_06.9819.C22
Gene No.	45675	Strand	+
Start	723	End	1813
Name	OJ990105_06.9819.C22.o1.gs	Method	GENSCAN
Start	723	End	1592
GI	none	Score	.89
Exons	723..911, 1161..1244, 1401..1592		
Seq. No.	21948	Seq. ID	OJ990105_06.9819.C22
Gene No.	45675	Strand	+
Start	723	End	1813
Name	OJ990105_06.9819.C22.o1.np	Method	AAT/NAP
Start	782	End	1813
GI	4544372	Score	500
Exons	782..1813		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	21948	Seq. ID	OJ990105_06.9819.C22
Gene No.	45675	Strand	+
Start	723	End	1813
Name	OJ990105_06.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	789	End	1142
GI	none	Score	200
Exons	789..1142		
Seq. No.	21948	Seq. ID	OJ990105_06.9819.C22
Gene No.	45675	Strand	+
Start	723	End	1813
Name	OJ990105_06.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	996	End	1391
GI	none	Score	211
Exons	996..1391, 1071..1214, 1157..1291		
Seq. No.	21949	Seq. ID	OJ990105_06.9819.C23
Gene No.	45676	Strand	-
Start	655	End	781
Name	OJ990105_06.9819.C23.o1.gp	Method	AAT/GAP
Start	655	End	781
GI	3761363	Score	183
Exons	655..781		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	21949	Seq. ID	OJ990105_06.9819.C23
Gene No.	45677	Strand	-
Start	1495	End	2520
Name	OJ990105_06.9819.C23.o1.np	Method	AAT/NAP
Start	1465	End	2363
GI	5852178	Score	449
Exons	1465..1560, 1924..2026, 2058..2363		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	21949	Seq. ID	OJ990105_06.9819.C23
Gene No.	45677	Strand	-

Start	1495	End	2520
Name	OJ990105_06.9819.C23.o1.gs	Method	GENSCAN
Start	1495	End	2520
GI	none	Score	.82
Exons	1495..1559, 1906..2029, 2058..2310, 2315..2520		

Seq. No.	21950	Seq. ID	OJ990105_06.9819.C26
Gene No.	45678	Strand	-
Start	87	End	464
Name	OJ990105_06.9819.C26.o1.gs	Method	GENSCAN
Start	87	End	464
GI	none	Score	.44
Exons	87..206, 328..464		

Seq. No.	21951	Seq. ID	OJ990105_06.9819.C27
Gene No.	45679	Strand	+
Start	1	End	1115
Name	OJ990105_06.9819.C27.o2.np	Method	AAT/NAP
Start	1	End	1115
GI	4680183	Score	110
Exons	1..181, 1022..1115		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	21951	Seq. ID	OJ990105_06.9819.C27
Gene No.	45680	Strand	-
Start	692	End	993
Name	OJ990105_06.9819.C27.o1.gs	Method	GENSCAN
Start	692	End	993
GI	none	Score	.95
Exons	692..831, 942..993		

Seq. No.	21951	Seq. ID	OJ990105_06.9819.C27
Gene No.	45681	Strand	-
Start	903	End	993
Name	OJ990105_06.9819.C27.o1.np	Method	AAT/NAP
Start	903	End	993
GI	6721561	Score	137
Exons	903..993		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	21952	Seq. ID	OJ990105_06.9819.C29
Gene No.	45682	Strand	+
Start	1024	End	1405
Name	OJ990105_06.9819.C29.o1.gp	Method	AAT/GAP
Start	1024	End	1405
GI	uC-osflcyp033a04b1	Score	635
Exons	1024..1405		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	21952	Seq. ID	OJ990105_06.9819.C29
Gene No.	45683	Strand	-
Start	954	End	2740

Name	OJ990105_06.9819.C29.o1.gs	Method	GENSCAN
Start	954	End	1157
GI	none	Score	.4
Exons	954..1157		

Seq. No.	21952	Seq. ID	OJ990105_06.9819.C29
Gene No.	45683	Strand	-
Start	954	End	2740
Name	OJ990105_06.9819.C29.o1.np	Method	AAT/NAP
Start	957	End	2740
GI	4680186	Score	354
Exons	957..1157, 1998..2049, 2695..2740		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	21953	Seq. ID	OJ990105_06.9819.C30
Gene No.	45684	Strand	+
Start	226	End	1491
Name	OJ990105_06.9819.C30.o1.gs	Method	GENSCAN
Start	226	End	1491
GI	none	Score	.55
Exons	226..351, 1325..1491		

Seq. No.	21953	Seq. ID	OJ990105_06.9819.C30
Gene No.	45685	Strand	-
Start	75	End	668
Name	OJ990105_06.9819.C30.o1.np	Method	AAT/NAP
Start	75	End	668
GI	100484	Score	234
Exons	75..668		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	21954	Seq. ID	OJ990105_06.9819.C31
Gene No.	45686	Strand	-
Start	895	End	1817
Name	OJ990105_06.9819.C31.o1.gs	Method	GENSCAN
Start	895	End	1817
GI	none	Score	.57
Exons	895..1023, 1749..1817		

Seq. No.	21955	Seq. ID	OJ990105_06.9819.C33
Gene No.	45687	Strand	+
Start	174	End	2173
Name	OJ990105_06.9819.C33.o1.gs	Method	GENSCAN
Start	174	End	2173
GI	none	Score	.74
Exons	174..259, 2045..2173		

Seq. No.	21955	Seq. ID	OJ990105_06.9819.C33
Gene No.	45688	Strand	-
Start	3655	End	4707
Name	OJ990105_06.9819.C33.o1.np	Method	AAT/NAP
Start	2781	End	4707
GI	5295955	Score	640
Exons	2781..3350, 3390..3456, 3536..3828, 3922..4044, 4678..4707		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	21955	Seq. ID	OJ990105_06.9819.C33
Gene No.	45688	Strand	-
Start	3655	End	4707
Name	OJ990105_06.9819.C33.o2.gs	Method	GENSCAN
Start	3655	End	4014
GI	none	Score	.82
Exons	3655..4014		

Seq. No.	21956	Seq. ID	OJ990105_06.9819.C34
Gene No.	45689	Strand	-
Start	671	End	698
Name	OJ990105_06.9819.C34.o1.gs	Method	GENSCAN
Start	671	End	698
GI	none	Score	.51
Exons	671..698		

Seq. No.	21956	Seq. ID	OJ990105_06.9819.C34
Gene No.	45690	Strand	
Start	732	End	1244
Name	OJ990105_06.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	732	End	1244
GI	none	Score	73
Exons	732..824, 855..1085, 855..929, 984..1043, 1101..1244		

Seq. No.	21956	Seq. ID	OJ990105_06.9819.C34
Gene No.	45690	Strand	
Start	732	End	1244
Name	OJ990105_06.9819.C34.o1.tw	Method	TBLASTX:Wheat
Start	834	End	1202
GI	none	Score	179
Exons	834..1046, 1155..1202		

Seq. No.	21957	Seq. ID	OJ990105_06.9819.C35
Gene No.	45691	Strand	+
Start	303	End	3049
Name	OJ990105_06.9819.C35.o1.gs	Method	GENSCAN
Start	303	End	2686
GI	none	Score	.45
Exons	303..314, 404..657, 1585..1996, 2199..2325, 2555..2686		

Seq. No.	21957	Seq. ID	OJ990105_06.9819.C35
Gene No.	45691	Strand	+
Start	303	End	3049
Name	OJ990105_06.9819.C35.o1.np	Method	AAT/NAP
Start	1664	End	3049
GI	6815097	Score	318
Exons	1664..2517, 3006..3049		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	21957	Seq. ID	OJ990105_06.9819.C35
Gene No.	45691	Strand	+
Start	303	End	3049
Name	OJ990105_06.9819.C35.o1.tc	Method	TBLASTX:Cress
Start	1730	End	2002
GI	none	Score	185
Exons	1730..2002		

Seq. No.	21958	Seq. ID	OJ990105_06.9819.C36
Gene No.	45692	Strand	+
Start	1102	End	1850
Name	OJ990105_06.9819.C36.o1.gs	Method	GENSCAN
Start	1102	End	1850
GI	none	Score	.86
Exons	1102..1337, 1342..1597, 1737..1850		

Seq. No.	21958	Seq. ID	OJ990105_06.9819.C36
Gene No.	45693	Strand	+
Start	3303	End	3475
Name	OJ990105_06.9819.C36.o1.gp	Method	AAT/GAP
Start	3303	End	3475
GI	LIB3433-026-P1-K1-C1	Score	258
Exons	3303..3475		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	21958	Seq. ID	OJ990105_06.9819.C36
Gene No.	45694	Strand	-
Start	132	End	2669
Name	OJ990105_06.9819.C36.o1.np	Method	AAT/NAP
Start	132	End	2669
GI	5852179	Score	248
Exons	132..554, 1353..1548, 1623..1823, 2649..2669		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	21958	Seq. ID	OJ990105_06.9819.C36
Gene No.	45695	Strand	-
Start	6196	End	6396
Name	OJ990105_06.9819.C36.o2.gs	Method	GENSCAN
Start	6196	End	6396
GI	none	Score	.42
Exons	6196..6396		

Seq. No.	21959	Seq. ID	OJ990105_06.9819.C38
Gene No.	45696	Strand	-
Start	144	End	1081
Name	OJ990105_06.9819.C38.o1.np	Method	AAT/NAP
Start	144	End	1081
GI	4680203	Score	457
Exons	144..1081		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	21959	Seq. ID	OJ990105_06.9819.C38
Gene No.	45696	Strand	-
Start	144	End	1081
Name	OJ990105_06.9819.C38.o1.gs	Method	GENSCAN
Start	218	End	1038
GI	none	Score	.66
Exons	218..505, 611..795, 844..1038		

Seq. No.	21959	Seq. ID	OJ990105_06.9819.C38
Gene No.	45696	Strand	-
Start	144	End	1081
Name	OJ990105_06.9819.C38.o1.tw	Method	TBLASTX:Wheat

Start	293	End	1069
GI	none	Score	67
Exons	293..361, 368..472, 375..467, 485..589, 486..590, 578..772, 612..740, 788..1069, 972..1028		

Seq. No.	21959	Seq. ID	OJ990105_06.9819.C38
Gene No.	45696	Strand	-
Start	144	End	1081
Name	OJ990105_06.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	602	End	892
GI	none	Score	72
Exons	602..718, 603..710, 722..892, 731..883		

Seq. No.	21960	Seq. ID	OJ990105_06.9819.C40
Gene No.	45697	Strand	+
Start	1	End	1726
Name	OJ990105_06.9819.C40.o2.np	Method	AAT/NAP
Start	1	End	1726
GI	4680183	Score	125
Exons	1..49, 1637..1726		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	21960	Seq. ID	OJ990105_06.9819.C40
Gene No.	45698	Strand	-
Start	1	End	1604
Name	OJ990105_06.9819.C40.o1.np	Method	AAT/NAP
Start	1	End	1604
GI	6721561	Score	143
Exons	1..38, 1514..1604		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	21960	Seq. ID	OJ990105_06.9819.C40
Gene No.	45698	Strand	-
Start	1	End	1604
Name	OJ990105_06.9819.C40.o1.gs	Method	GENSCAN
Start	1303	End	1604
GI	none	Score	.95
Exons	1303..1442, 1553..1604		

Seq. No.	21961	Seq. ID	OJ990105_06.9819.C41
Gene No.	45699	Strand	+
Start	1888	End	2001
Name	OJ990105_06.9819.C41.o1.gs	Method	GENSCAN
Start	1888	End	2001
GI	none	Score	.52
Exons	1888..2001		

Seq. No.	21962	Seq. ID	OJ990105_06.9819.C43
Gene No.	45700	Strand	+
Start	317	End	608
Name	OJ990105_06.9819.C43.o1.gs	Method	GENSCAN
Start	317	End	608
GI	none	Score	.8

Exons	317..435, 495..608		
Seq. No.	21963	Seq. ID	OJ990105_06.9819.C44
Gene No.	45701	Strand	-
Start	1585	End	1832
Name	OJ990105_06.9819.C44.o1.gs	Method	GENSCAN
Start	1585	End	1832
GI	none	Score	.68
Exons	1585..1653, 1725..1832		
Seq. No.	21964	Seq. ID	OJ990105_06.9819.C45
Gene No.	45702	Strand	+
Start	59	End	221
Name	OJ990105_06.9819.C45.o1.gs	Method	GENSCAN
Start	59	End	221
GI	none	Score	.54
Exons	59..221		
Seq. No.	21965	Seq. ID	OJ990105_06.9819.C46
Gene No.	45703	Strand	+
Start	429	End	1183
Name	OJ990105_06.9819.C46.o1.gs	Method	GENSCAN
Start	429	End	1183
GI	none	Score	.89
Exons	429..597, 930..1183		
Seq. No.	21966	Seq. ID	OJ990105_06.9819.C48
Gene No.	45704	Strand	+
Start	671	End	1112
Name	OJ990105_06.9819.C48.o1.gs	Method	GENSCAN
Start	671	End	1112
GI	none	Score	.98
Exons	671..755, 871..1112		
Seq. No.	21966	Seq. ID	OJ990105_06.9819.C48
Gene No.	45705	Strand	-
Start	2762	End	3839
Name	OJ990105_06.9819.C48.o2.gs	Method	GENSCAN
Start	2762	End	3839
GI	none	Score	.83
Exons	2762..2970, 2996..3096, 3542..3570, 3645..3839		
Seq. No.	21967	Seq. ID	OJ990105_06.9819.C51
Gene No.	45706	Strand	+
Start	61	End	899
Name	OJ990105_06.9819.C51.o1.gs	Method	GENSCAN
Start	61	End	899
GI	none	Score	.57
Exons	61..151, 705..899		
Seq. No.	21968	Seq. ID	OJ990105_06.9819.C55
Gene No.	45707	Strand	-
Start	1	End	594
Name	OJ990105_06.9819.C55.o1.np	Method	AAT/NAP
Start	1	End	468
GI	6498441	Score	218
Exons	1..468		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	21968	Seq. ID	OJ990105_06.9819.C55
Gene No.	45707	Strand	-
Start	1	End	594
Name	OJ990105_06.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	1	End	180
GI	none	Score	162
Exons	1..180, 2..178		

Seq. No.	21968	Seq. ID	OJ990105_06.9819.C55
Gene No.	45707	Strand	-
Start	1	End	594
Name	OJ990105_06.9819.C55.o1.tw	Method	TBLASTX:Wheat
Start	2	End	240
GI	none	Score	119
Exons	2..232, 4..111, 4..240, 5..223		

Seq. No.	21968	Seq. ID	OJ990105_06.9819.C55
Gene No.	45707	Strand	-
Start	1	End	594
Name	OJ990105_06.9819.C55.o1.ts	Method	TBLASTX:Soybean
Start	34	End	402
GI	none	Score	145
Exons	34..168, 184..402		

Seq. No.	21968	Seq. ID	OJ990105_06.9819.C55
Gene No.	45707	Strand	-
Start	1	End	594
Name	OJ990105_06.9819.C55.o1.gs	Method	GENSCAN
Start	280	End	594
GI	none	Score	.88
Exons	280..594		

Seq. No.	21969	Seq. ID	OJ990105_06.9819.C56
Gene No.	45708	Strand	-
Start	875	End	1167
Name	OJ990105_06.9819.C56.o1.ts	Method	TBLASTX:Soybean
Start	796	End	1153
GI	none	Score	110
Exons	796..942, 943..1149, 983..1153		

Seq. No.	21969	Seq. ID	OJ990105_06.9819.C56
Gene No.	45708	Strand	-
Start	875	End	1167
Name	OJ990105_06.9819.C56.o1.tw	Method	TBLASTX:Wheat
Start	796	End	1126
GI	none	Score	74
Exons	796..942, 976..1122, 986..1126		

Seq. No.	21969	Seq. ID	OJ990105_06.9819.C56
Gene No.	45708	Strand	-
Start	875	End	1167
Name	OJ990105_06.9819.C56.o1.gs	Method	GENSCAN
Start	875	End	1167

GI	none	Score	.72
Exons	875..971, 1014..1167		
Seq. No.	21969	Seq. ID	OJ990105_06.9819.C56
Gene No.	45708	Strand	-
Start	875	End	1167
Name	OJ990105_06.9819.C56.o1.tm	Method	TBLASTX:Maize
Start	913	End	1153
GI	none	Score	222
Exons	913..1146, 914..1153		
Seq. No.	21970	Seq. ID	OJ990105_06.9819.C57
Gene No.	45709	Strand	+
Start	68	End	891
Name	OJ990105_06.9819.C57.o1.gs	Method	GENSCAN
Start	68	End	533
GI	none	Score	.85
Exons	68..137, 221..533		
Seq. No.	21970	Seq. ID	OJ990105_06.9819.C57
Gene No.	45709	Strand	+
Start	68	End	891
Name	OJ990105_06.9819.C57.o1.np	Method	AAT/NAP
Start	205	End	891
GI	137937	Score	597
Exons	205..891		
GI Descrip.	REPLICATION PROTEIN 14 gi|14808|emb|CAA31475| (X13065) gene 14 (AA 1 - 229) [Bacteriophage phi-80]		
Seq. No.	21971	Seq. ID	OJ990105_06.9819.C59
Gene No.	45710	Strand	+
Start	1231	End	2817
Name	OJ990105_06.9819.C59.o1.np	Method	AAT/NAP
Start	1231	End	2817
GI	4836944	Score	221
Exons	1231..1394, 1478..1684, 1782..1834, 2645..2817		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	21971	Seq. ID	OJ990105_06.9819.C59
Gene No.	45710	Strand	+
Start	1231	End	2817
Name	OJ990105_06.9819.C59.o1.tm	Method	TBLASTX:Maize
Start	1269	End	1843
GI	none	Score	64
Exons	1269..1316, 1289..1387, 1290..1388, 1310..1390, 1493..1684, 1495..1683, 1781..1843, 1782..1832		
Seq. No.	21971	Seq. ID	OJ990105_06.9819.C59
Gene No.	45710	Strand	+
Start	1231	End	2817
Name	OJ990105_06.9819.C59.o1.ts	Method	TBLASTX:Soybean
Start	1269	End	1832
GI	none	Score	60
Exons	1269..1370, 1269..1388, 1493..1684, 1504..1683, 1782..1832		
Seq. No.	21971	Seq. ID	OJ990105_06.9819.C59
Gene No.	45710	Strand	+

Start	1231	End	2817
Name	OJ990105_06.9819.C59.o1.gs	Method	GENSCAN
Start	1335	End	1868
GI	none	Score	.83
Exons	1335..1394, 1496..1684, 1782..1868		

Seq. No.	21972	Seq. ID	OJ990105_06.9819.C63
Gene No.	45711	Strand	+
Start	1283	End	2126
Name	OJ990105_06.9819.C63.o1.np	Method	AAT/NAP
Start	1283	End	2126
GI	6539588	Score	71
Exons	1283..1414, 2046..2126		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	21972	Seq. ID	OJ990105_06.9819.C63
Gene No.	45712	Strand	-
Start	879	End	938
Name	OJ990105_06.9819.C63.o1.gs	Method	GENSCAN
Start	879	End	938
GI	none	Score	.56
Exons	879..938		

Seq. No.	21973	Seq. ID	OJ990105_06.9819.C65
Gene No.	45713	Strand	+
Start	165	End	514
Name	OJ990105_06.9819.C65.o1.gp	Method	AAT/GAP
Start	165	End	343
GI	none	Score	147
Exons	165..220, 306..343		

Seq. No.	21973	Seq. ID	OJ990105_06.9819.C65
Gene No.	45713	Strand	+
Start	165	End	514
Name	OJ990105_06.9819.C65.o1.gs	Method	GENSCAN
Start	197	End	514
GI	none	Score	.92
Exons	197..220, 306..343, 454..514		

Seq. No.	21974	Seq. ID	OJ990105_06.9819.C66
Gene No.	45714	Strand	+
Start	1	End	80
Name	OJ990105_06.9819.C66.o1.gp	Method	AAT/GAP
Start	1	End	80
GI	77434_1.R1084	Score	98
Exons	1..80		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	21975	Seq. ID	OJ990105_06.9819.C68
Gene No.	45715	Strand	+
Start	793	End	1057
Name	OJ990105_06.9819.C68.o1.tm	Method	TBLASTX:Maize
Start	503	End	853
GI	none	Score	74
Exons	503..619, 518..619, 593..649, 605..850, 612..851, 713..853		

Seq. No.	21975	Seq. ID	OJ990105_06.9819.C68
Gene No.	45715	Strand	+
Start	793	End	1057
Name	OJ990105_06.9819.C68.o1.ts	Method	TBLASTX:Soybean
Start	542	End	1010
GI	none	Score	46
Exons	542..619, 608..835, 612..821, 822..1010		

Seq. No.	21975	Seq. ID	OJ990105_06.9819.C68
Gene No.	45715	Strand	+
Start	793	End	1057
Name	OJ990105_06.9819.C68.o1.gs	Method	GENSCAN
Start	793	End	1057
GI	none	Score	.68
Exons	793..1057		

Seq. No.	21976	Seq. ID	OJ990105_06.9819.C71
Gene No.	45716	Strand	+
Start	509	End	3870
Name	OJ990105_06.9819.C71.o1.gs	Method	GENSCAN
Start	509	End	3870
GI	none	Score	.7
Exons	509..592, 875..963, 2643..2913, 3100..3870		

Seq. No.	21976	Seq. ID	OJ990105_06.9819.C71
Gene No.	45716	Strand	+
Start	509	End	3870
Name	OJ990105_06.9819.C71.o1.tm	Method	TBLASTX:Maize
Start	2998	End	3366
GI	none	Score	148
Exons	2998..3123, 3015..3122, 3148..3366, 3153..3266		

Seq. No.	21977	Seq. ID	OJ990105_06.9819.C72
Gene No.	45717	Strand	+
Start	1	End	581
Name	OJ990105_06.9819.C72.o1.np	Method	AAT/NAP
Start	1	End	331
GI	6630696	Score	436
Exons	1..331		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	21977	Seq. ID	OJ990105_06.9819.C72
Gene No.	45717	Strand	+
Start	1	End	581
Name	OJ990105_06.9819.C72.o1.gs	Method	GENSCAN
Start	59	End	581
GI	none	Score	.4
Exons	59..168, 479..581		

Seq. No.	21977	Seq. ID	OJ990105_06.9819.C72
Gene No.	45718	Strand	-
Start	2340	End	4611
Name	OJ990105_06.9819.C72.o2.tw	Method	TBLASTX:Wheat
Start	30	End	195
GI	none	Score	57

Exons 30..119, 31..195, 32..193, 58..195

Seq. No. 21977 Seq. ID OJ990105_06.9819.C72
Gene No. 45718 Strand -
Start 2340 End 4611
Name OJ990105_06.9819.C72.o2.tm Method TBLASTX:Maize
Start 205 End 444
GI none Score 112
Exons 205..294, 206..295, 207..296, 334..444, 345..443

Seq. No. 21977 Seq. ID OJ990105_06.9819.C72
Gene No. 45718 Strand -
Start 2340 End 4611
Name OJ990105_06.9819.C72.o1.tw Method TBLASTX:Wheat
Start 2334 End 2567
GI none Score 161
Exons 2334..2567, 2353..2523

Seq. No. 21977 Seq. ID OJ990105_06.9819.C72
Gene No. 45718 Strand -
Start 2340 End 4611
Name OJ990105_06.9819.C72.o1.tm Method TBLASTX:Maize
Start 2340 End 2543
GI none Score 87
Exons 2340..2543, 2343..2441, 2353..2526

Seq. No. 21977 Seq. ID OJ990105_06.9819.C72
Gene No. 45718 Strand -
Start 2340 End 4611
Name OJ990105_06.9819.C72.o2.gs Method GENSCAN
Start 2340 End 4611
GI none Score .4
Exons 2340..2553, 2756..2783, 3644..3913, 3918..4092, 4187..4227, 4233..4611

Seq. No. 21977 Seq. ID OJ990105_06.9819.C72
Gene No. 45718 Strand -
Start 2340 End 4611
Name OJ990105_06.9819.C72.o1.ts Method TBLASTX:Soybean
Start 2340 End 2526
GI none Score 181
Exons 2340..2525, 2353..2526

Seq. No. 21977 Seq. ID OJ990105_06.9819.C72
Gene No. 45718 Strand -
Start 2340 End 4611
Name OJ990105_06.9819.C72.o2.np Method AAT/NAP
Start 2343 End 2561
GI 2118425 Score 243
Exons 2343..2561
GI Descrip. subtilisin/chymotrypsin inhibitor - maize
gi|475253|emb|CAA55588| (X78988) proteinase inhibitor [Zea mays]
gi|475922|emb|CAA49593| (X69972) proteinase inhibitor [Zea mays]
gi|559538|emb|CAA57677| (X82187) substilin /chymotrypsin-like inhibitor [Zea mays]

Seq. No. 21978 Seq. ID OJ990105_06.9819.C73

Gene No.	45719	Strand	-
Start	359	End	465
Name	OJ990105_06.9819.C73.o1.gp	Method	AAT/GAP
Start	359	End	465
GI	LIB3433-057-P1-K1-C7	Score	155
Exons	359..465		
GI Descrip.	'531829 2.0e-12 (U12390) beta-galactosidase alpha peptide [cloning vector pSport1]'		

Seq. No.	21979	Seq. ID	OJ990105_07.9819.C1
Gene No.	45720	Strand	+
Start	1	End	953
Name	OJ990105_07.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	953
GI	4126473	Score	92
Exons	1..59, 869..953		
GI Descrip.	(AB014884) adenylyl cyclase associated protein [Gossypium hirsutum]		

Seq. No.	21979	Seq. ID	OJ990105_07.9819.C1
Gene No.	45721	Strand	+
Start	870	End	1132
Name	OJ990105_07.9819.C1.o1.gp	Method	AAT/GAP
Start	870	End	1132
GI	uC-osf1cyp161g03a1	Score	461
Exons	870..1132		
GI Descrip.	'4126473/dbj|BAA36585| 1.0e-08 (AB014884) adenylyl cyclase associated protein [Gossypium hirsutum]'		

Seq. No.	21980	Seq. ID	OJ990105_07.9819.C4
Gene No.	45722	Strand	-
Start	1089	End	1958
Name	OJ990105_07.9819.C4.o1.gs	Method	GENSCAN
Start	1089	End	1958
GI	none	Score	.7
Exons	1089..1109, 1769..1958		

Seq. No.	21981	Seq. ID	OJ990105_07.9819.C7
Gene No.	45723	Strand	+
Start	851	End	1091
Name	OJ990105_07.9819.C7.o1.gp	Method	AAT/GAP
Start	851	End	1091
GI	12659_1.R1084	Score	233
Exons	851..907, 992..1091		
GI Descrip.	'3540182 3.0e-12 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	21982	Seq. ID	OJ990105_07.9819.C8
Gene No.	45724	Strand	+
Start	914	End	1081
Name	OJ990105_07.9819.C8.o1.gs	Method	GENSCAN
Start	914	End	1081
GI	none	Score	.76
Exons	914..1081		

Seq. No.	21983	Seq. ID	OJ990105_07.9819.C12
Gene No.	45725	Strand	-

Start	232	End	1646
Name	OJ990105_07.9819.C12.o1.gs	Method	GENSCAN
Start	232	End	1646
GI	none	Score	.57
Exons	232..297, 1542..1646		

Seq. No.	21984	Seq. ID	OJ990105_07.9819.C13
Gene No.	45726	Strand	-
Start	799	End	862
Name	OJ990105_07.9819.C13.o1.gs	Method	GENSCAN
Start	799	End	862
GI	none	Score	.55
Exons	799..862		

Seq. No.	21985	Seq. ID	OJ990105_07.9819.C14
Gene No.	45727	Strand	+
Start	777	End	1064
Name	OJ990105_07.9819.C14.o2.gp	Method	AAT/GAP
Start	777	End	1064
GI	32234_1.R1084	Score	504
Exons	777..1064		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	21985	Seq. ID	OJ990105_07.9819.C14
Gene No.	45727	Strand	+
Start	777	End	1064
Name	OJ990105_07.9819.C14.o1.gs	Method	GENSCAN
Start	785	End	1000
GI	none	Score	.54
Exons	785..1000		

Seq. No.	21985	Seq. ID	OJ990105_07.9819.C14
Gene No.	45728	Strand	-
Start	569	End	724
Name	OJ990105_07.9819.C14.o1.gp	Method	AAT/GAP
Start	569	End	724
GI	LIB3432-059-P1-K1-D8	Score	258
Exons	569..724		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	21986	Seq. ID	OJ990105_07.9819.C15
Gene No.	45729	Strand	
Start	874	End	1026
Name	OJ990105_07.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	874	End	1004
GI	none	Score	138
Exons	874..1002, 878..973, 884..1003, 886..1002, 888..1004		

Seq. No.	21986	Seq. ID	OJ990105_07.9819.C15
Gene No.	45729	Strand	
Start	874	End	1026
Name	OJ990105_07.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	880	End	1026
GI	none	Score	77
Exons	880..1017, 881..973, 889..1026, 891..1022		

Seq. No.	21987	Seq. ID	OJ990105_07.9819.C16
Gene No.	45730	Strand	+
Start	854	End	935
Name	OJ990105_07.9819.C16.o1.gp	Method	AAT/GAP
Start	854	End	935
GI	none	Score	79
Exons	854..935		

Seq. No.	21988	Seq. ID	OJ990105_07.9819.C19
Gene No.	45731	Strand	+
Start	1148	End	1255
Name	OJ990105_07.9819.C19.o1.gp	Method	AAT/GAP
Start	1148	End	1255
GI	LIB3477-003-P1-K1-E9	Score	156
Exons	1148..1255		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	21989	Seq. ID	OJ990105_07.9819.C20
Gene No.	45732	Strand	+
Start	303	End	503
Name	OJ990105_07.9819.C20.o1.gs	Method	GENSCAN
Start	303	End	503
GI	none	Score	.69
Exons	303..503		

Seq. No.	21989	Seq. ID	OJ990105_07.9819.C20
Gene No.	45733	Strand	+
Start	2673	End	5394
Name	OJ990105_07.9819.C20.o2.gs	Method	GENSCAN
Start	2673	End	5394
GI	none	Score	.91
Exons	2673..2741, 2758..3629, 3744..3798, 4144..5394		

Seq. No.	21989	Seq. ID	OJ990105_07.9819.C20
Gene No.	45734	Strand	+
Start	10012	End	10115
Name	OJ990105_07.9819.C20.o1.gp	Method	AAT/GAP
Start	10012	End	10115
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	10012..10115		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	21989	Seq. ID	OJ990105_07.9819.C20
Gene No.	45735	Strand	+
Start	10115	End	10570
Name	OJ990105_07.9819.C20.o2.gp	Method	AAT/GAP
Start	10115	End	10570
GI	LIB3432-059-P1-K1-D8	Score	731
Exons	10115..10570		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	21989	Seq. ID	OJ990105_07.9819.C20
Gene No.	45736	Strand	-
Start	6008	End	12989
Name	OJ990105_07.9819.C20.o3.gs	Method	GENSCAN
Start	6008	End	12989
GI	none	Score	.48
Exons	6008..6085, 6130..6270, 11187..11341, 11571..11733, 11974..12072, 12737..12936, 12974..12989		

Seq. No.	21990	Seq. ID	OJ990105_07.9819.C21
Gene No.	45737	Strand	+
Start	1199	End	2342
Name	OJ990105_07.9819.C21.o1.gs	Method	GENSCAN
Start	1199	End	1866
GI	none	Score	.45
Exons	1199..1866		

Seq. No.	21990	Seq. ID	OJ990105_07.9819.C21
Gene No.	45737	Strand	+
Start	1199	End	2342
Name	OJ990105_07.9819.C21.o1.np	Method	AAT/NAP
Start	1652	End	2342
GI	5441880	Score	813
Exons	1652..2342		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21991	Seq. ID	OJ990105_07.9819.C22
Gene No.	45738	Strand	+
Start	680	End	1532
Name	OJ990105_07.9819.C22.o1.gs	Method	GENSCAN
Start	680	End	1532
GI	none	Score	.57
Exons	680..845, 1191..1532		

Seq. No.	21992	Seq. ID	OJ990105_07.9819.C23
Gene No.	45739	Strand	+
Start	2302	End	3547
Name	OJ990105_07.9819.C23.o1.np	Method	AAT/NAP
Start	2302	End	3547
GI	6721543	Score	120
Exons	2302..2430, 3518..3547		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	21992	Seq. ID	OJ990105_07.9819.C23
Gene No.	45740	Strand	-
Start	2940	End	5072
Name	OJ990105_07.9819.C23.o1.gp	Method	AAT/GAP
Start	2662	End	3115
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	2662..3115		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	21992	Seq. ID	OJ990105_07.9819.C23
Gene No.	45740	Strand	-

Start	2940	End	5072
Name	OJ990105_07.9819.C23.o1.gs	Method	GENSCAN
Start	2940	End	4961
GI	none	Score	.55
Exons	2940..3100, 3236..3453, 3458..3505, 3569..3700, 3819..3924, 3956..4076, 4812..4961		

Seq. No.	21992	Seq. ID	OJ990105_07.9819.C23
Gene No.	45740	Strand	-
Start	2940	End	5072
Name	OJ990105_07.9819.C23.o2.np	Method	AAT/NAP
Start	3219	End	5072
GI	5441880	Score	652
Exons	3219..3453, 3569..3700, 3791..3814, 3851..3924, 5025..5072		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21993	Seq. ID	OJ990105_07.9819.C24
Gene No.	45741	Strand	-
Start	1	End	2884
Name	OJ990105_07.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	2884
GI	5441880	Score	2538
Exons	1..70, 175..325, 829..1144, 1403..1434, 1879..2884		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21993	Seq. ID	OJ990105_07.9819.C24
Gene No.	45741	Strand	-
Start	1	End	2884
Name	OJ990105_07.9819.C24.o1.tw	Method	TBLASTX:Wheat
Start	1649	End	2029
GI	none	Score	79
Exons	1649..1825, 1679..1825, 1710..1829, 1823..2020, 1835..2029		

Seq. No.	21993	Seq. ID	OJ990105_07.9819.C24
Gene No.	45741	Strand	-
Start	1	End	2884
Name	OJ990105_07.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	1727	End	2323
GI	none	Score	150
Exons	1727..1798, 1862..2161, 1923..2144, 2195..2323, 2217..2315		

Seq. No.	21993	Seq. ID	OJ990105_07.9819.C24
Gene No.	45741	Strand	-
Start	1	End	2884
Name	OJ990105_07.9819.C24.o1.gp	Method	AAT/GAP
Start	1849	End	2280
GI	5701669	Score	845
Exons	1849..2280		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21994	Seq. ID	OJ990105_07.9819.C25

Gene No.	45742	Strand	+
Start	671	End	934
Name	OJ990105_07.9819.C25.o1.gs	Method	GENSCAN
Start	671	End	934
GI	none	Score	.5
Exons	671..934		

Seq. No.	21995	Seq. ID	OJ990105_07.9819.C26
Gene No.	45743	Strand	+
Start	1	End	3002
Name	OJ990105_07.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	3002
GI	5441880	Score	1704
Exons	1..131, 493..650, 756..1092, 1680..1978, 2055..2313, 2981..3002		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	21995	Seq. ID	OJ990105_07.9819.C26
Gene No.	45743	Strand	+
Start	1	End	3002
Name	OJ990105_07.9819.C26.o1.gs	Method	GENSCAN
Start	502	End	2450
GI	none	Score	.81
Exons	502..650, 756..1092, 1176..1586, 1680..1978, 2055..2313, 2406..2450		

Seq. No.	21995	Seq. ID	OJ990105_07.9819.C26
Gene No.	45743	Strand	+
Start	1	End	3002
Name	OJ990105_07.9819.C26.o1.gp	Method	AAT/GAP
Start	1806	End	2305
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	1806..1978, 2055..2305		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	21996	Seq. ID	OJ990105_07.9819.C27
Gene No.	45744	Strand	-
Start	1944	End	2703
Name	OJ990105_07.9819.C27.o1.gs	Method	GENSCAN
Start	1944	End	2703
GI	none	Score	.84
Exons	1944..2159, 2397..2440, 2682..2703		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45745	Strand	+
Start	9786	End	11900
Name	OJ990105_07.9819.C28.o1.np	Method	AAT/NAP
Start	9786	End	11900
GI	2911799	Score	1678
Exons	9786..10779, 10875..11073, 11206..11419, 11537..11639, 11740..11900		
GI Descrip.	(AF008184) 4-coumarate:CoA ligase 1 [Populus balsamifera subsp. trichocarpa X Populus deltoides]		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45745	Strand	+
Start	9786	End	11900
Name	OJ990105_07.9819.C28.o1.gp	Method	AAT/GAP
Start	9831	End	10211
GI	uC-osrocyp033f05b1	Score	720
Exons	9831..10211		
GI Descrip.	'1168218/sp|P41636|4CL_PINTA 2.0e-28 4-COUMARATE--COA LIGASE (4CL) >gi_515501 (U12012) 4-coumarate-CoA ligase enzyme [Pinus taeda]'		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45746	Strand	+
Start	18491	End	23142
Name	OJ990105_07.9819.C28.o3.np	Method	AAT/NAP
Start	18321	End	21212
GI	4539658	Score	107
Exons	18321..18412, 18453..18541, 21161..21212		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45746	Strand	+
Start	18491	End	23142
Name	OJ990105_07.9819.C28.o3.gs	Method	GENSCAN
Start	18491	End	22659
GI	none	Score	.55
Exons	18491..18493, 19898..20008, 21877..22255, 22528..22659		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45746	Strand	+
Start	18491	End	23142
Name	OJ990105_07.9819.C28.o4.gp	Method	AAT/GAP
Start	21273	End	21464
GI	5667165	Score	340
Exons	21273..21464		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45746	Strand	+
Start	18491	End	23142
Name	OJ990105_07.9819.C28.o4.np	Method	AAT/NAP
Start	21540	End	23142
GI	6907086	Score	994
Exons	21540..22308, 22621..22883, 23030..23142		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o3.tm	Method	TBLASTX:Maize
Start	9808	End	10215
GI	none	Score	176
Exons	9808..9984, 9817..9999, 9942..10184, 10006..10215		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28

Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	9823	End	11850
GI	none	Score	335
Exons	9823..10215, 9844..10050, 9960..10184, 10327..10779, 10327..10455, 10344..10799, 10848..11075, 10874..11074, 11196..11267, 11316..11384, 11537..11674, 11538..11642, 11728..11850, 11739..11846		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	9844	End	11840
GI	none	Score	286
Exons	9844..10206, 9987..10181, 10252..10317, 10327..10779, 10344..10454, 10536..10778, 10863..11075, 10871..11074, 11196..11267, 11316..11384, 11540..11650, 11541..11642, 11737..11838, 11739..11840		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	9940	End	10631
GI	none	Score	207
Exons	9940..10203, 9960..10184, 10324..10455, 10327..10629, 10344..10631		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	10453	End	11850
GI	none	Score	356
Exons	10453..10779, 10485..10799, 10863..11075, 10864..10935, 10871..11074, 10903..11076, 10910..11089, 11196..11267, 11316..11384, 11538..11582, 11552..11641, 11595..11642, 11737..11850, 11739..11846		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o2.tw	Method	TBLASTX:Wheat
Start	11316	End	11856
GI	none	Score	101
Exons	11316..11384, 11537..11641, 11538..11642, 11737..11856, 11737..11850, 11739..11852		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o2.gp	Method	AAT/GAP
Start	12122	End	13123
GI	uC-osflcyp161g03a1	Score	718
Exons	12122..12469, 13073..13123		

GI Descrip. '4126473/dbj|BAA36585| 1.0e-08 (AB014884) adenylyl cyclase associated protein [Gossypium hirsutum]'

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o2.gs	Method	GENSCAN
Start	12383	End	15839
GI	none	Score	.89
Exons	12383..12469, 13073..13216, 13325..13381, 13454..13509, 13603..13712, 13804..13951, 14044..14317, 14984..15048, 15226..15394, 15555..15839		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	12383	End	13958
GI	none	Score	76
Exons	12383..12466, 12387..12467, 13058..13219, 13059..13217, 13325..13435, 13329..13379, 13452..13511, 13454..13510, 13599..13715, 13601..13714, 13602..13715, 13798..13953, 13803..13958		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o2.tc	Method	TBLASTX:Cress
Start	12383	End	15845
GI	none	Score	128
Exons	12383..12466, 13058..13219, 13071..13217, 13323..13382, 13325..13441, 13329..13379, 13452..13511, 13457..13510, 13601..13714, 13602..13715, 13803..13988, 14060..14101, 14061..14114, 14183..14320, 14184..14276, 14192..14329, 14981..15049, 14983..15030, 14997..15053, 15224..15400, 15522..15725, 15789..15845		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o2.np	Method	AAT/NAP
Start	12386	End	15839
GI	4126473	Score	1204
Exons	12386..12469, 13073..13216, 13325..13381, 13454..13509, 13603..13712, 13804..13964, 14060..14317, 14984..15048, 15226..15394, 15555..15839		
GI Descrip.	(AB014884) adenylyl cyclase associated protein [Gossypium hirsutum]		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	12395	End	13719
GI	none	Score	117
Exons	12395..12466, 13058..13219, 13071..13217, 13323..13382, 13325..13435, 13329..13379, 13454..13510, 13599..13715,		

13601..13714, 13609..13719

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o4.tm	Method	TBLASTX:Maize
Start	13906	End	14307
GI	none	Score	66
Exons	13906..13953, 13908..14012, 14038..14304, 14043..14276, 14119..14307, 14183..14305		

Seq. No.	21997	Seq. ID	OJ990105_07.9819.C28
Gene No.	45747	Strand	-
Start	12383	End	15847
Name	OJ990105_07.9819.C28.o3.gp	Method	AAT/GAP
Start	15007	End	15847
GI	32234_1.R1084	Score	922
Exons	15007..15048, 15226..15394, 15555..15847		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45748	Strand	+
Start	82	End	587
Name	OJ990105_07.9819.C29.o1.gs	Method	GENSCAN
Start	82	End	587
GI	none	Score	.66
Exons	82..269, 474..587		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45749	Strand	+
Start	5694	End	10861
Name	OJ990105_07.9819.C29.o3.gs	Method	GENSCAN
Start	5694	End	10861
GI	none	Score	.9
Exons	5694..6020, 7096..9137, 9613..9796, 10751..10861		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45750	Strand	-
Start	920	End	4830
Name	OJ990105_07.9819.C29.o2.gs	Method	GENSCAN
Start	920	End	4830
GI	none	Score	.45
Exons	920..996, 1390..1399, 1447..2592, 2688..3738, 4288..4413, 4508..4640, 4827..4830		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45750	Strand	-
Start	920	End	4830
Name	OJ990105_07.9819.C29.o1.np	Method	AAT/NAP
Start	1077	End	3615
GI	4680209	Score	901
Exons	1077..1226, 1646..2123, 2370..2454, 2685..3032, 3231..3615		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45751	Strand	-

Start	11204	End	11701
Name	OJ990105_07.9819.C29.o5.tm	Method	TBLASTX:Maize
Start	1237	End	1444
GI	none	Score	88
Exons	1237..1443, 1238..1441, 1289..1444		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45751	Strand	-
Start	11204	End	11701
Name	OJ990105_07.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	1597	End	2244
GI	none	Score	130
Exons	1597..1869, 1613..1816, 1888..1947, 1945..2223, 1967..2218, 2023..2244		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45751	Strand	-
Start	11204	End	11701
Name	OJ990105_07.9819.C29.o3.tm	Method	TBLASTX:Maize
Start	2248	End	2595
GI	none	Score	166
Exons	2248..2595, 2255..2593		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45751	Strand	-
Start	11204	End	11701
Name	OJ990105_07.9819.C29.o4.tm	Method	TBLASTX:Maize
Start	7345	End	7840
GI	none	Score	42
Exons	7345..7401, 7346..7384, 7403..7420, 7437..7526, 7441..7533, 7441..7524, 7531..7665, 7536..7664, 7666..7695, 7668..7697, 7789..7839, 7793..7840		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45751	Strand	-
Start	11204	End	11701
Name	OJ990105_07.9819.C29.o2.tm	Method	TBLASTX:Maize
Start	8143	End	9106
GI	none	Score	37
Exons	8143..8190, 8197..8259, 8587..8748, 8593..8745, 8705..8746, 8734..8817, 8747..8809, 8772..8828, 8808..8858, 8860..8988, 8867..8995, 8881..8982, 8882..8989, 8889..8993, 8982..9065, 8983..9081, 8987..9106, 9035..9106		

Seq. No.	21998	Seq. ID	OJ990105_07.9819.C29
Gene No.	45751	Strand	-
Start	11204	End	11701
Name	OJ990105_07.9819.C29.o4.gs	Method	GENSCAN
Start	11204	End	11701
GI	none	Score	.8
Exons	11204..11384, 11697..11701		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45752	Strand	+
Start	941	End	1458
Name	OJ990105_07.9819.C30.o1.gs	Method	GENSCAN
Start	941	End	1458

GI	none	Score	.83
Exons	941..1016, 1045..1458		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o2.np	Method	AAT/NAP
Start	1705	End	6926
GI	4539295	Score	584
Exons	1705..1800, 3597..3670, 3793..3865, 4808..4933, 5324..5566, 6157..6280, 6476..6530, 6563..6675, 6792..6926		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o1.gp	Method	AAT/GAP
Start	3211	End	3580
GI	none	Score	670
Exons	3211..3580		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o2.gs	Method	GENSCAN
Start	3363	End	7082
GI	none	Score	.75
Exons	3363..3670, 3793..3860, 4833..4890, 5179..5264, 5388..5566, 6792..6900, 6985..7082		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o2.gp	Method	AAT/GAP
Start	3578	End	6261
GI	10404_1.R1084	Score	1003
Exons	3578..3670, 3793..3860, 4833..4903, 5324..5566, 6144..6261		
GI Descrip.	'4539295/emb|CAB39598.1| 7.0e-46 (AL049480) putative protein [Arabidopsis thaliana]'		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	4859	End	5569
GI	none	Score	66
Exons	4859..4918, 4865..4903, 5342..5482, 5359..5430, 5488..5568, 5489..5569		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	6154	End	6324
GI	none	Score	253
Exons	6154..6324, 6156..6323		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	6220	End	7884
GI	none	Score	164
Exons	6220..6321, 6221..6307, 6478..6534, 6482..6514, 6516..6551, 6624..6683, 6625..6675, 6789..6899, 6791..6862, 6982..7044, 6986..7045, 6987..7061, 7043..7093, 7050..7106, 7054..7098, 7708..7794, 7710..7784, 7834..7872, 7864..7884		

Seq. No.	21999	Seq. ID	OJ990105_07.9819.C30
Gene No.	45753	Strand	+
Start	1705	End	7920
Name	OJ990105_07.9819.C30.o3.gp	Method	AAT/GAP
Start	6777	End	7920
GI	12659_1.R1084	Score	688
Exons	6777..6900, 6985..7082, 7711..7920		
GI Descrip.	'3540182 3.0e-12 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	22000	Seq. ID	OJ990105_07.9819.C31
Gene No.	45754	Strand	+
Start	1644	End	2742
Name	OJ990105_07.9819.C31.o1.np	Method	AAT/NAP
Start	1644	End	2434
GI	5420387	Score	248
Exons	1644..2434		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	22000	Seq. ID	OJ990105_07.9819.C31
Gene No.	45754	Strand	+
Start	1644	End	2742
Name	OJ990105_07.9819.C31.o1.gs	Method	GENSCAN
Start	1750	End	2742
GI	none	Score	1
Exons	1750..2742		

Seq. No.	22000	Seq. ID	OJ990105_07.9819.C31
Gene No.	45754	Strand	+
Start	1644	End	2742
Name	OJ990105_07.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	2142	End	2532
GI	none	Score	397
Exons	2142..2531, 2146..2532		

Seq. No.	22000	Seq. ID	OJ990105_07.9819.C31
Gene No.	45754	Strand	+
Start	1644	End	2742
Name	OJ990105_07.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	2199	End	2556
GI	none	Score	80
Exons	2199..2267, 2200..2268, 2340..2552, 2344..2556		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32
Gene No.	45755	Strand	+
Start	461	End	6153

Name	OJ990105_07.9819.C32.o1.gs	Method	GENSCAN
Start	461	End	6153
GI	none	Score	.75
Exons	461..553, 597..1027, 1853..2185, 3125..3261, 3817..4049, 4547..4693, 5968..6153		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32
Gene No.	45756	Strand	-
Start	8992	End	9372
Name	OJ990105_07.9819.C32.o2.tm	Method	TBLASTX:Maize
Start	248	End	632
GI	none	Score	83
Exons	248..424, 265..510, 292..393, 332..577, 465..518, 575..631, 579..632		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32
Gene No.	45756	Strand	-
Start	8992	End	9372
Name	OJ990105_07.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	753	End	986
GI	none	Score	196
Exons	753..986, 803..850, 905..985		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32
Gene No.	45756	Strand	-
Start	8992	End	9372
Name	OJ990105_07.9819.C32.o3.tm	Method	TBLASTX:Maize
Start	899	End	1945
GI	none	Score	194
Exons	899..1027, 900..1028, 901..1035, 1850..1945, 1851..1928, 1852..1941		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32
Gene No.	45756	Strand	-
Start	8992	End	9372
Name	OJ990105_07.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	3969	End	4731
GI	none	Score	108
Exons	3969..4049, 3971..4048, 4544..4714, 4546..4731, 4546..4725		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32
Gene No.	45756	Strand	-
Start	8992	End	9372
Name	OJ990105_07.9819.C32.o2.ts	Method	TBLASTX:Soybean
Start	4570	End	4714
GI	none	Score	191
Exons	4570..4713, 4571..4714		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32
Gene No.	45756	Strand	-
Start	8992	End	9372
Name	OJ990105_07.9819.C32.o4.tm	Method	TBLASTX:Maize
Start	7764	End	7970
GI	none	Score	184
Exons	7764..7970		

Seq. No.	22001	Seq. ID	OJ990105_07.9819.C32

Gene No.	45756	Strand	-
Start	8992	End	9372
Name	OJ990105_07.9819.C32.o2.gs	Method	GENSCAN
Start	8992	End	9372
GI	none	Score	.43
Exons	8992..9372		

Seq. No.	22002	Seq. ID	OJ990105_07.9819.C33
Gene No.	45757	Strand	+
Start	1010	End	1417
Name	OJ990105_07.9819.C33.o1.gs	Method	GENSCAN
Start	1010	End	1417
GI	none	Score	.88
Exons	1010..1417		

Seq. No.	22003	Seq. ID	OJ990105_07.9819.C35
Gene No.	45758	Strand	+
Start	593	End	750
Name	OJ990105_07.9819.C35.o1.gs	Method	GENSCAN
Start	593	End	750
GI	none	Score	.75
Exons	593..750		

Seq. No.	22004	Seq. ID	OJ990105_07.9819.C37
Gene No.	45759	Strand	-
Start	778	End	978
Name	OJ990105_07.9819.C37.o1.gs	Method	GENSCAN
Start	778	End	978
GI	none	Score	.74
Exons	778..978		

Seq. No.	22005	Seq. ID	OJ990105_07.9819.C38
Gene No.	45760	Strand	-
Start	759	End	941
Name	OJ990105_07.9819.C38.o1.gs	Method	GENSCAN
Start	759	End	941
GI	none	Score	.63
Exons	759..941		

Seq. No.	22006	Seq. ID	OJ990105_01.9819.C1
Gene No.	45761	Strand	-
Start	906	End	1958
Name	OJ990105_01.9819.C1.o1.gs	Method	GENSCAN
Start	906	End	1153
GI	none	Score	.7
Exons	906..1153		

Seq. No.	22006	Seq. ID	OJ990105_01.9819.C1
Gene No.	45761	Strand	-
Start	906	End	1958
Name	OJ990105_01.9819.C1.o1.np	Method	AAT/NAP
Start	909	End	1958
GI	4680179	Score	359
Exons	909..1592, 1932..1958		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22007	Seq. ID	OJ990105_01.9819.C2

Gene No.	45762	Strand	-
Start	994	End	1176
Name	OJ990105_01.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	677	End	1045
GI	none	Score	58
Exons	677..790, 678..791, 836..1045, 837..989		

Seq. No.	22007	Seq. ID	OJ990105_01.9819.C2
Gene No.	45762	Strand	-
Start	994	End	1176
Name	OJ990105_01.9819.C2.o1.gs	Method	GENSCAN
Start	994	End	1176
GI	none	Score	.92
Exons	994..1176		

Seq. No.	22008	Seq. ID	OJ990105_01.9819.C3
Gene No.	45763	Strand	+
Start	449	End	1088
Name	OJ990105_01.9819.C3.o1.np	Method	AAT/NAP
Start	449	End	1036
GI	5852180	Score	483
Exons	449..567, 619..1036		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	22008	Seq. ID	OJ990105_01.9819.C3
Gene No.	45763	Strand	+
Start	449	End	1088
Name	OJ990105_01.9819.C3.o1.gs	Method	GENSCAN
Start	612	End	1088
GI	none	Score	.99
Exons	612..1088		

Seq. No.	22008	Seq. ID	OJ990105_01.9819.C3
Gene No.	45764	Strand	+
Start	2191	End	2572
Name	OJ990105_01.9819.C3.o2.gp	Method	AAT/GAP
Start	2191	End	2572
GI	uC-osf1cyp033a04b1	Score	687
Exons	2191..2572		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22008	Seq. ID	OJ990105_01.9819.C3
Gene No.	45765	Strand	-
Start	2124	End	3359
Name	OJ990105_01.9819.C3.o2.np	Method	AAT/NAP
Start	2124	End	3359
GI	4680186	Score	327
Exons	2124..2323, 3338..3359		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45766	Strand	+
Start	359	End	2248
Name	OJ990105_01.9819.C4.o1.gs	Method	GENSCAN
Start	359	End	2248
GI	none	Score	.83

Exons	359..508, 1439..2248		
Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45767	Strand	+
Start	2474	End	6991
Name	OJ990105_01.9819.C4.o1.np	Method	AAT/NAP
Start	2474	End	6991
GI	4680179	Score	5353
Exons	2474..3556, 3590..6991		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45768	Strand	+
Start	9239	End	13165
Name	OJ990105_01.9819.C4.o2.gp	Method	AAT/GAP
Start	9061	End	9442
GI	uC-osflcyp033a04b1	Score	687
Exons	9061..9442		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45768	Strand	+
Start	9239	End	13165
Name	OJ990105_01.9819.C4.o3.gs	Method	GENSCAN
Start	9239	End	13165
GI	none	Score	.67
Exons	9239..9310, 12356..13165		
Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45768	Strand	+
Start	9239	End	13165
Name	OJ990105_01.9819.C4.o4.gp	Method	AAT/GAP
Start	11084	End	11467
GI	uC-osflcyp033a04b1	Score	629
Exons	11084..11467		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45769	Strand	+
Start	13414	End	18943
Name	OJ990105_01.9819.C4.o4.np	Method	AAT/NAP
Start	13411	End	18943
GI	4680179	Score	166
Exons	13411..13769, 14190..14341, 18839..18943		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45769	Strand	+
Start	13414	End	18943
Name	OJ990105_01.9819.C4.o4.gs	Method	GENSCAN
Start	13414	End	13815
GI	none	Score	.69
Exons	13414..13815		
Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4

Gene No.	45770	Strand	+
Start	20925	End	21645
Name	OJ990105_01.9819.C4.o7.gs	Method	GENSCAN
Start	20925	End	21645
GI	none	Score	.95
Exons	20925..21068, 21550..21645		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45771	Strand	-
Start	1	End	20034
Name	OJ990105_01.9819.C4.o2.np	Method	AAT/NAP
Start	1	End	18176
GI	5852180	Score	549
Exons	1..19, 7721..8137, 8189..8307, 9292..9344, 18139..18176		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45771	Strand	-
Start	1	End	20034
Name	OJ990105_01.9819.C4.o5.gs	Method	GENSCAN
Start	14530	End	14802
GI	none	Score	1
Exons	14530..14802		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45771	Strand	-
Start	1	End	20034
Name	OJ990105_01.9819.C4.o6.gp	Method	AAT/GAP
Start	15149	End	15215
GI	uC-osroM202024h08a1	Score	88
Exons	15149..15215		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45771	Strand	-
Start	1	End	20034
Name	OJ990105_01.9819.C4.o7.gp	Method	AAT/GAP
Start	16335	End	16593
GI	61605_3.R1084	Score	431
Exons	16335..16593		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45771	Strand	-
Start	1	End	20034
Name	OJ990105_01.9819.C4.o6.gs	Method	GENSCAN
Start	17012	End	20034
GI	none	Score	.42
Exons	17012..17529, 17602..17747, 18036..18107, 18131..18634, 18706..18763, 18890..18965, 19077..19201, 19369..19617, 19935..20034		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45771	Strand	-
Start	1	End	20034

Name	OJ990105_01.9819.C4.o5.np	Method	AAT/NAP
Start	17872	End	19478
GI	6721561	Score	939
Exons	17872..18634, 18706..18763, 18831..19046, 19446..19478		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o10.tw	Method	TBLASTX:Wheat
Start	2654	End	13776
GI	none	Score	211
Exons	2654..2701, 2714..2911, 2716..2913, 13654..13776		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o8.tw	Method	TBLASTX:Wheat
Start	2947	End	3298
GI	none	Score	270
Exons	2947..3141, 2963..3298		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o8.tm	Method	TBLASTX:Maize
Start	2962	End	3253
GI	none	Score	219
Exons	2962..3078, 2963..3253, 3169..3243		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o9.tw	Method	TBLASTX:Wheat
Start	3617	End	4054
GI	none	Score	160
Exons	3617..3844, 3673..3825, 3871..3984, 3872..3985, 4013..4054		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	4150	End	4636
GI	none	Score	52
Exons	4150..4593, 4154..4204, 4259..4636		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o7.tm	Method	TBLASTX:Maize
Start	4165	End	4455
GI	none	Score	267
Exons	4165..4455, 4166..4453		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	4523	End	5023
GI	none	Score	167
Exons	4523..4702, 4531..4677, 4709..5023, 4849..4902, 4930..4980		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	4577	End	4972
GI	none	Score	57
Exons	4577..4609, 4579..4608, 4613..4972, 4615..4653, 4681..4971		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	4685	End	4987
GI	none	Score	381
Exons	4685..4987, 4687..4971		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	4988	End	5410
GI	none	Score	598
Exons	4988..5410, 5020..5409		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o5.ts	Method	TBLASTX:Soybean
Start	4994	End	5239
GI	none	Score	207
Exons	4994..5239, 5011..5238		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	5059	End	5422
GI	none	Score	482
Exons	5059..5409, 5060..5413, 5060..5422		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	5413	End	5980
GI	none	Score	664
Exons	5413..5979, 5444..5980		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	5687	End	6004
GI	none	Score	90
Exons	5687..5860, 5861..6004, 5863..6003		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	5768	End	6028
GI	none	Score	296
Exons	5768..6028, 5773..6027		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	5826	End	6118
GI	none	Score	89
Exons	5826..5987, 5827..6114, 5828..6118		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	5987	End	6613
GI	none	Score	692
Exons	5987..6613, 6043..6501, 6080..6610		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	6167	End	6766
GI	none	Score	239
Exons	6167..6334, 6175..6321, 6326..6766, 6331..6750		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	6613	End	6946
GI	none	Score	318
Exons	6613..6882, 6614..6946, 6617..6925		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o8.gs	Method	GENSCAN
Start	23186	End	29702
GI	none	Score	.46
Exons	23186..23275, 23599..23736, 23787..23840, 26197..26551, 26708..27004, 28029..28209, 28354..28450, 29074..29702		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o9.gp	Method	AAT/GAP
Start	24791	End	25097
GI	uC-osflcyp033a04b1	Score	506
Exons	24791..25097		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o6.np	Method	AAT/NAP
Start	26496	End	31325
GI	6630685	Score	1148
Exons	26496..26551, 27967..29414, 29445..29661, 31254..31325		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o11.tw	Method	TBLASTX:Wheat
Start	28013	End	28354
GI	none	Score	92
Exons	28013..28174, 28211..28354		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	28013	End	28381
GI	none	Score	68
Exons	28013..28381, 28091..28372		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	28013	End	28355
GI	none	Score	83
Exons	28013..28354, 28014..28163, 28067..28342, 28218..28355		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	28423	End	28862
GI	none	Score	36
Exons	28423..28476, 28424..28861, 28484..28714, 28488..28862		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	28524	End	29133

GI	5509260	Score	390
Exons	28524..29024, 28529..29011, 29011..29061, 29083..29133, 29083..29133		
GI Descrip.	-		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	28532	End	29009
GI	none	Score	96
Exons	28532..28711, 28538..28939, 28548..28718, 28740..28877, 28919..29008, 28920..29009		

Seq. No.	22009	Seq. ID	OJ990105_01.9819.C4
Gene No.	45772	Strand	-
Start	23186	End	31325
Name	OJ990105_01.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	28643	End	28903
GI	none	Score	224
Exons	28643..28903		

Seq. No.	22010	Seq. ID	OJ990105_01.9819.C5
Gene No.	45773	Strand	-
Start	1	End	3671
Name	OJ990105_01.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	3671
GI	5091513	Score	872
Exons	1..332, 1697..2376, 3209..3671		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22010	Seq. ID	OJ990105_01.9819.C5
Gene No.	45773	Strand	-
Start	1	End	3671
Name	OJ990105_01.9819.C5.o2.gs	Method	GENSCAN
Start	2969	End	3588
GI	none	Score	.76
Exons	2969..3588		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45774	Strand	+
Start	1	End	5523
Name	OJ990105_01.9819.C6.o3.np	Method	AAT/NAP
Start	1	End	5523
GI	4680186	Score	365
Exons	1..354, 3159..3210, 5323..5523		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45775	Strand	-
Start	1	End	5332
Name	OJ990105_01.9819.C6.o2.np	Method	AAT/NAP
Start	1	End	2834
GI	3645899	Score	682
Exons	1..353, 1757..2834		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45775	Strand	-
Start	1	End	5332
Name	OJ990105_01.9819.C6.o1.gs	Method	GENSCAN
Start	1680	End	5332
GI	none	Score	.71
Exons	1680..2831, 4637..4702, 5288..5332		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45776	Strand	-
Start	5262	End	5456
Name	OJ990105_01.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1750	End	2282
GI	none	Score	199
Exons	1750..2055, 1758..2036, 2097..2282, 2098..2244		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45776	Strand	-
Start	5262	End	5456
Name	OJ990105_01.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	1761	End	2009
GI	none	Score	120
Exons	1761..2009, 1819..1992		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45776	Strand	-
Start	5262	End	5456
Name	OJ990105_01.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	1851	End	2138
GI	none	Score	143
Exons	1851..2138, 1852..2025, 1860..2030		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45776	Strand	-
Start	5262	End	5456
Name	OJ990105_01.9819.C6.o1.gp	Method	AAT/GAP
Start	5262	End	5456
GI	uC-osf1cyp033a04b1	Score	340
Exons	5262..5456		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22011	Seq. ID	OJ990105_01.9819.C6
Gene No.	45776	Strand	-
Start	5262	End	5456
Name	OJ990105_01.9819.C6.o2.gp	Method	AAT/GAP
Start	5262	End	5456
GI	uC-osf1cyp033a04b1	Score	339
Exons	5262..5456		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22012	Seq. ID	OJ990105_01.9819.C7
Gene No.	45777	Strand	+
Start	276	End	710
Name	OJ990105_01.9819.C7.o1.np	Method	AAT/NAP
Start	276	End	710

GI	4680185	Score	413
Exons	276..710		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22012	Seq. ID	OJ990105_01.9819.C7
Gene No.	45777	Strand	+
Start	276	End	710
Name	OJ990105_01.9819.C7.o1.gs	Method	GENSCAN
Start	315	End	635
GI	none	Score	.87
Exons	315..635		

Seq. No.	22012	Seq. ID	OJ990105_01.9819.C7
Gene No.	45778	Strand	-
Start	1407	End	3207
Name	OJ990105_01.9819.C7.o2.gs	Method	GENSCAN
Start	1407	End	3207
GI	none	Score	.58
Exons	1407..1507, 1647..1829, 2374..2638, 2751..2782, 3180..3207		

Seq. No.	22013	Seq. ID	OJ990105_01.9819.C8
Gene No.	45779	Strand	+
Start	867	End	983
Name	OJ990105_01.9819.C8.o1.gs	Method	GENSCAN
Start	867	End	983
GI	none	Score	.8
Exons	867..983		

Seq. No.	22014	Seq. ID	OJ990105_01.9819.C9
Gene No.	45780	Strand	-
Start	1	End	1206
Name	OJ990105_01.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	1206
GI	5091513	Score	441
Exons	1..86, 226..908, 961..1206		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22014	Seq. ID	OJ990105_01.9819.C9
Gene No.	45780	Strand	-
Start	1	End	1206
Name	OJ990105_01.9819.C9.o1.gs	Method	GENSCAN
Start	404	End	814
GI	none	Score	.87
Exons	404..814		

Seq. No.	22015	Seq. ID	OJ990105_01.9819.C11
Gene No.	45781	Strand	+
Start	665	End	1023
Name	OJ990105_01.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	619	End	969
GI	none	Score	94
Exons	619..831, 832..969, 847..918, 903..962		

Seq. No.	22015	Seq. ID	OJ990105_01.9819.C11
Gene No.	45781	Strand	+
Start	665	End	1023
Name	OJ990105_01.9819.C11.o1.gs	Method	GENSCAN

Start	665	End	1023
GI	none	Score	.74
Exons	665..1023		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45782	Strand	+
Start	9684	End	19360
Name	OJ990105_01.9819.C12.o2.gs	Method	GENSCAN
Start	9684	End	13121
GI	none	Score	.75
Exons	9684..9879, 10281..10378, 10617..10822, 11763..11984, 12137..12200, 12403..12541, 13093..13121		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45782	Strand	+
Start	9684	End	19360
Name	OJ990105_01.9819.C12.o4.np	Method	AAT/NAP
Start	12885	End	19287
GI	4544372	Score	1075
Exons	12885..12982, 15956..17153, 17214..17606, 17727..19287		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45782	Strand	+
Start	9684	End	19360
Name	OJ990105_01.9819.C12.o3.np	Method	AAT/NAP
Start	15495	End	19360
GI	4417309	Score	718
Exons	15495..16035, 16133..16279, 16457..17251, 17342..18018, 19316..19360		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45783	Strand	+
Start	20858	End	22536
Name	OJ990105_01.9819.C12.o5.np	Method	AAT/NAP
Start	20858	End	22536
GI	6539588	Score	322
Exons	20858..21171, 22474..22536		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45784	Strand	-
Start	5257	End	7015
Name	OJ990105_01.9819.C12.o1.np	Method	AAT/NAP
Start	5257	End	7015
GI	6907087	Score	919
Exons	5257..5353, 5892..6587, 6636..7015		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45785	Strand	
Start	15501	End	15839

Name	OJ990105_01.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	15501	End	15839
GI	none	Score	189
Exons	15501..15839		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45786	Strand	
Start	16411	End	17297
Name	OJ990105_01.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	16411	End	16812
GI	none	Score	78
Exons	16411..16470, 16416..16469, 16451..16798, 16465..16812, 16467..16769, 16468..16797, 16712..16798		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45786	Strand	
Start	16411	End	17297
Name	OJ990105_01.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	16462	End	16680
GI	none	Score	260
Exons	16462..16680, 16467..16679		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45786	Strand	
Start	16411	End	17297
Name	OJ990105_01.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	16681	End	17141
GI	none	Score	324
Exons	16681..16917, 16681..16914, 16833..16916, 16894..17079, 16919..17104, 16922..17089, 17088..17141		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45786	Strand	
Start	16411	End	17297
Name	OJ990105_01.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	16828	End	17297
GI	none	Score	86
Exons	16828..16917, 16913..17092, 17109..17297, 17153..17284		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45787	Strand	
Start	18223	End	18684
Name	OJ990105_01.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	18223	End	18504
GI	none	Score	223
Exons	18223..18504		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45787	Strand	
Start	18223	End	18684
Name	OJ990105_01.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	18286	End	18579
GI	none	Score	133
Exons	18286..18450, 18475..18579		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45787	Strand	

Start	18223	End	18684
Name	OJ990105_01.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	18304	End	18684
GI	none	Score	80
Exons	18304..18462, 18460..18684		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45788	Strand	
Start	18865	End	19298
Name	OJ990105_01.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	18865	End	19272
GI	none	Score	228
Exons	18865..19272, 19008..19238		

Seq. No.	22016	Seq. ID	OJ990105_01.9819.C12
Gene No.	45788	Strand	
Start	18865	End	19298
Name	OJ990105_01.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	19048	End	19298
GI	none	Score	247
Exons	19048..19293, 19048..19215, 19059..19220, 19257..19298		

Seq. No.	22017	Seq. ID	OJ990105_01.9819.C13
Gene No.	45789	Strand	-
Start	1	End	1541
Name	OJ990105_01.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1541
GI	6721517	Score	1183
Exons	1..1541		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	22017	Seq. ID	OJ990105_01.9819.C13
Gene No.	45789	Strand	-
Start	1	End	1541
Name	OJ990105_01.9819.C13.o2.tw	Method	TBLASTX:Wheat
Start	195	End	437
GI	none	Score	175
Exons	195..437, 199..435, 225..437		

Seq. No.	22017	Seq. ID	OJ990105_01.9819.C13
Gene No.	45789	Strand	-
Start	1	End	1541
Name	OJ990105_01.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	201	End	545
GI	none	Score	114
Exons	201..509, 226..441, 369..509, 513..545, 514..543		

Seq. No.	22017	Seq. ID	OJ990105_01.9819.C13
Gene No.	45789	Strand	-
Start	1	End	1541
Name	OJ990105_01.9819.C13.o1.gs	Method	GENSCAN
Start	342	End	797
GI	none	Score	.68
Exons	342..797		

Seq. No.	22017	Seq. ID	OJ990105_01.9819.C13
Gene No.	45789	Strand	-

Start	1	End	1541
Name	OJ990105_01.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	432	End	863
GI	none	Score	74
Exons	432..863, 439..633, 645..824		

Seq. No.	22017	Seq. ID	OJ990105_01.9819.C13
Gene No.	45789	Strand	-
Start	1	End	1541
Name	OJ990105_01.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	486	End	972
GI	none	Score	253
Exons	486..863, 529..972, 918..968		

Seq. No.	22018	Seq. ID	OJ990105_01.9819.C15
Gene No.	45790	Strand	+
Start	593	End	999
Name	OJ990105_01.9819.C15.o1.gs	Method	GENSCAN
Start	593	End	999
GI	none	Score	.88
Exons	593..692, 765..999		

Seq. No.	22019	Seq. ID	OJ990105_01.9819.C17
Gene No.	45791	Strand	+
Start	688	End	1051
Name	OJ990105_01.9819.C17.o1.gs	Method	GENSCAN
Start	688	End	1051
GI	none	Score	.92
Exons	688..741, 838..1051		

Seq. No.	22019	Seq. ID	OJ990105_01.9819.C17
Gene No.	45791	Strand	+
Start	688	End	1051
Name	OJ990105_01.9819.C17.o1.np	Method	AAT/NAP
Start	838	End	1039
GI	4680186	Score	306
Exons	838..1039		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22019	Seq. ID	OJ990105_01.9819.C17
Gene No.	45792	Strand	-
Start	590	End	972
Name	OJ990105_01.9819.C17.o1.gp	Method	AAT/GAP
Start	590	End	972
GI	uC-osflcyp033a04b1	Score	660
Exons	590..972		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22019	Seq. ID	OJ990105_01.9819.C17
Gene No.	45793	Strand	-
Start	1401	End	1862
Name	OJ990105_01.9819.C17.o2.gs	Method	GENSCAN
Start	1401	End	1862
GI	none	Score	.73
Exons	1401..1486, 1814..1862		

Seq. No.	22020	Seq. ID	OJ990105_01.9819.C18
Gene No.	45794	Strand	-
Start	1	End	1457
Name	OJ990105_01.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	1457
GI	4680179	Score	687
Exons	1..22, 200..490, 524..1457		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22020	Seq. ID	OJ990105_01.9819.C18
Gene No.	45794	Strand	-
Start	1	End	1457
Name	OJ990105_01.9819.C18.o1.gs	Method	GENSCAN
Start	412	End	997
GI	none	Score	.58
Exons	412..622, 794..997		

Seq. No.	22020	Seq. ID	OJ990105_01.9819.C18
Gene No.	45794	Strand	-
Start	1	End	1457
Name	OJ990105_01.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	782	End	1024
GI	none	Score	173
Exons	782..1024		

Seq. No.	22020	Seq. ID	OJ990105_01.9819.C18
Gene No.	45794	Strand	-
Start	1	End	1457
Name	OJ990105_01.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	827	End	1128
GI	none	Score	72
Exons	827..1018, 1034..1117, 1036..1128		

Seq. No.	22020	Seq. ID	OJ990105_01.9819.C18
Gene No.	45794	Strand	-
Start	1	End	1457
Name	OJ990105_01.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	1033	End	1344
GI	none	Score	41
Exons	1033..1344, 1034..1111, 1166..1342		

Seq. No.	22021	Seq. ID	OJ990105_01.9819.C19
Gene No.	45795	Strand	+
Start	1	End	175
Name	OJ990105_01.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	175
GI	3192686	Score	216
Exons	1..175		
GI Descrip.	(AF064539) gp3 [Bacteriophage N15]		

Seq. No.	22021	Seq. ID	OJ990105_01.9819.C19
Gene No.	45796	Strand	+
Start	131	End	1169
Name	OJ990105_01.9819.C19.o1.gs	Method	GENSCAN
Start	131	End	987
GI	none	Score	.82
Exons	131..987		

Seq. No.	22021	Seq. ID	OJ990105_01.9819.C19
Gene No.	45796	Strand	+
Start	131	End	1169
Name	OJ990105_01.9819.C19.o2.np	Method	AAT/NAP
Start	175	End	1169
GI	3192687	Score	1455
Exons	175..1169		
GI Descrip.	(AF064539) gp4 [Bacteriophage N15]		

Seq. No.	22022	Seq. ID	OJ990105_08.9819.C1
Gene No.	45797	Strand	+
Start	1	End	1144
Name	OJ990105_08.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1141
GI	6907087	Score	193
Exons	1..50, 212..500, 1040..1141		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22022	Seq. ID	OJ990105_08.9819.C1
Gene No.	45797	Strand	+
Start	1	End	1144
Name	OJ990105_08.9819.C1.o1.gs	Method	GENSCAN
Start	396	End	1144
GI	none	Score	.66
Exons	396..500, 1040..1144		

Seq. No.	22022	Seq. ID	OJ990105_08.9819.C1
Gene No.	45798	Strand	+
Start	1607	End	1979
Name	OJ990105_08.9819.C1.o1.gp	Method	AAT/GAP
Start	1607	End	1979
GI	uC-osflcyp033a04b1	Score	510
Exons	1607..1979		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22022	Seq. ID	OJ990105_08.9819.C1
Gene No.	45799	Strand	-
Start	132	End	4304
Name	OJ990105_08.9819.C1.o3.np	Method	AAT/NAP
Start	132	End	3993
GI	1076814	Score	588
Exons	132..220, 2684..3046, 3890..3993		
GI Descrip.	maturase-related protein - maize (fragment) gi|840925 (U09987) maturase-related protein [Zea mays]		

Seq. No.	22022	Seq. ID	OJ990105_08.9819.C1
Gene No.	45799	Strand	-
Start	132	End	4304
Name	OJ990105_08.9819.C1.o2.np	Method	AAT/NAP
Start	1535	End	3490
GI	4680186	Score	212
Exons	1535..1740, 3466..3490		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22022	Seq. ID	OJ990105_08.9819.C1
Gene No.	45799	Strand	-
Start	132	End	4304
Name	OJ990105_08.9819.C1.o2.gs	Method	GENSCAN
Start	2647	End	4304
GI	none	Score	.41
Exons	2647..2762, 2817..3065, 4229..4304		

Seq. No.	22023	Seq. ID	OJ990105_08.9819.C2
Gene No.	45800	Strand	+
Start	706	End	933
Name	OJ990105_08.9819.C2.o1.np	Method	AAT/NAP
Start	706	End	933
GI	769717	Score	388
Exons	706..933		
GI Descrip.	(D32052) ORF76B [Oryza sativa]		

Seq. No.	22023	Seq. ID	OJ990105_08.9819.C2
Gene No.	45801	Strand	+
Start	1181	End	1429
Name	OJ990105_08.9819.C2.o2.np	Method	AAT/NAP
Start	1181	End	1429
GI	769718	Score	427
Exons	1181..1429		
GI Descrip.	(D32052) ORF83 [Oryza sativa]		

Seq. No.	22023	Seq. ID	OJ990105_08.9819.C2
Gene No.	45802	Strand	+
Start	1745	End	2017
Name	OJ990105_08.9819.C2.o3.np	Method	AAT/NAP
Start	1745	End	2017
GI	769719	Score	459
Exons	1745..2017		
GI Descrip.	(D32052) ORF91 [Oryza sativa]		

Seq. No.	22023	Seq. ID	OJ990105_08.9819.C2
Gene No.	45803	Strand	+
Start	4374	End	5575
Name	OJ990105_08.9819.C2.o5.np	Method	AAT/NAP
Start	4374	End	5575
GI	769721	Score	1600
Exons	4374..5575		
GI Descrip.	(D32052) ORF483 [Oryza sativa]		

Seq. No.	22023	Seq. ID	OJ990105_08.9819.C2
Gene No.	45804	Strand	-
Start	308	End	4676
Name	OJ990105_08.9819.C2.o1.gs	Method	GENSCAN
Start	308	End	4676
GI	none	Score	.8
Exons	308..555, 839..1028, 2757..2806, 3115..3172, 3368..3463, 4674..4676		

Seq. No.	22023	Seq. ID	OJ990105_08.9819.C2
Gene No.	45804	Strand	-
Start	308	End	4676

Name	OJ990105_08.9819.C2.o4.np	Method	AAT/NAP
Start	2620	End	2868
GI	769720	Score	420
Exons	2620..2868		
GI Descrip.	(D32052) ORF83B [Oryza sativa]		

Seq. No.	22023	Seq. ID	OJ990105_08.9819.C2
Gene No.	45805	Strand	
Start	4596	End	5174
Name	OJ990105_08.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	4596	End	5174
GI	none	Score	60
Exons	4596..4673, 4652..4765, 4653..4826, 4874..5140, 4875..5174		

Seq. No.	22024	Seq. ID	OJ990105_08.9819.C3
Gene No.	45806	Strand	+
Start	157	End	719
Name	OJ990105_08.9819.C3.o1.np	Method	AAT/NAP
Start	157	End	719
GI	769721	Score	562
Exons	157..719		
GI Descrip.	(D32052) ORF483 [Oryza sativa]		

Seq. No.	22024	Seq. ID	OJ990105_08.9819.C3
Gene No.	45807	Strand	+
Start	2881	End	3529
Name	OJ990105_08.9819.C3.o2.np	Method	AAT/NAP
Start	2881	End	3529
GI	769722	Score	415
Exons	2881..3529		
GI Descrip.	(D32052) ORF224 [Oryza sativa]		

Seq. No.	22024	Seq. ID	OJ990105_08.9819.C3
Gene No.	45808	Strand	-
Start	2503	End	2676
Name	OJ990105_08.9819.C3.o1.gs	Method	GENSCAN
Start	2503	End	2676
GI	none	Score	.98
Exons	2503..2676		

Seq. No.	22025	Seq. ID	OJ990105_08.9819.C6
Gene No.	45809	Strand	+
Start	1833	End	5043
Name	OJ990105_08.9819.C6.o2.gs	Method	GENSCAN
Start	1833	End	5043
GI	none	Score	.67
Exons	1833..1860, 3846..4056, 4290..4430, 4505..4616, 4900..5043		

Seq. No.	22025	Seq. ID	OJ990105_08.9819.C6
Gene No.	45810	Strand	-
Start	3773	End	9914
Name	OJ990105_08.9819.C6.o1.np	Method	AAT/NAP
Start	3773	End	4597
GI	3980178	Score	1145
Exons	3773..4597		
GI Descrip.	(X72616) ORFx [Arabidopsis thaliana]		

Seq. No.	22025	Seq. ID	OJ990105_08.9819.C6
Gene No.	45810	Strand	-
Start	3773	End	9914
Name	OJ990105_08.9819.C6.o2.np	Method	AAT/NAP
Start	3790	End	9914
GI	2583130	Score	67
Exons	3790..3833, 6836..6997, 9876..9914		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	22025	Seq. ID	OJ990105_08.9819.C6
Gene No.	45810	Strand	-
Start	3773	End	9914
Name	OJ990105_08.9819.C6.o1.gp	Method	AAT/GAP
Start	4517	End	4869
GI	427699	Score	602
Exons	4517..4869		

Seq. No.	22025	Seq. ID	OJ990105_08.9819.C6
Gene No.	45811	Strand	-
Start	10383	End	10678
Name	OJ990105_08.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	4601	End	4777
GI	none	Score	45
Exons	4601..4639, 4602..4640, 4622..4747, 4628..4747, 4629..4754, 4651..4761, 4744..4776, 4751..4777		

Seq. No.	22025	Seq. ID	OJ990105_08.9819.C6
Gene No.	45811	Strand	-
Start	10383	End	10678
Name	OJ990105_08.9819.C6.o3.np	Method	AAT/NAP
Start	10383	End	10678
GI	485862	Score	423
Exons	10383..10678		
GI Descrip.	(X75036) NADH dehydrogenase [Triticum aestivum]		

Seq. No.	22026	Seq. ID	OJ990105_08.9819.C7
Gene No.	45812	Strand	-
Start	131	End	2421
Name	OJ990105_08.9819.C7.o1.np	Method	AAT/NAP
Start	131	End	1636
GI	485862	Score	382
Exons	131..151, 1390..1636		
GI Descrip.	(X75036) NADH dehydrogenase [Triticum aestivum]		

Seq. No.	22026	Seq. ID	OJ990105_08.9819.C7
Gene No.	45812	Strand	-
Start	131	End	2421
Name	OJ990105_08.9819.C7.o1.gs	Method	GENSCAN
Start	706	End	2421
GI	none	Score	.7
Exons	706..1014, 1439..1561, 1968..1999, 2267..2421		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45813	Strand	+
Start	633	End	2971
Name	OJ990105_08.9819.C8.o1.gs	Method	GENSCAN

Start	633	End	2971
GI	none	Score	.76
Exons	633..767, 1309..1431, 2384..2466, 2570..2661, 2739..2971		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45814	Strand	+
Start	6157	End	6222
Name	OJ990105_08.9819.C8.o2.gp	Method	AAT/GAP
Start	6157	End	6222
GI	5607623	Score	82
Exons	6157..6222		
GI Descrip.	287391/dbj|D13111|RICMT15 2.0e-27 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45815	Strand	-
Start	170	End	3002
Name	OJ990105_08.9819.C8.o1.np	Method	AAT/NAP
Start	170	End	3002
GI	485862	Score	1073
Exons	170..666, 1977..2045, 2860..3002		
GI Descrip.	(X75036) NADH dehydrogenase [Triticum aestivum]		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45815	Strand	-
Start	170	End	3002
Name	OJ990105_08.9819.C8.o1.gp	Method	AAT/GAP
Start	2452	End	2850
GI	2311928	Score	681
Exons	2452..2850		
GI Descrip.	485861/emb|X75036|TADNANAD7 1.0e-155 T.aestivum mitochondrial nad7 gene for NADH dehydrogenase subunit		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45816	Strand	-
Start	3178	End	4501
Name	OJ990105_08.9819.C8.o2.gs	Method	GENSCAN
Start	3178	End	4501
GI	none	Score	.72
Exons	3178..3258, 3917..4063, 4451..4501		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45817	Strand	-
Start	7057	End	9482
Name	OJ990105_08.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	204	End	2963
GI	none	Score	86
Exons	204..665, 367..621, 2823..2963		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45817	Strand	-
Start	7057	End	9482
Name	OJ990105_08.9819.C8.o2.np	Method	AAT/NAP
Start	5189	End	5618
GI	82638	Score	725
Exons	5189..5618		
GI Descrip.	hypothetical 16K protein (nad5 intron) - wheat mitochondrion		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45817	Strand	-
Start	7057	End	9482
Name	OJ990105_08.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	6068	End	6338
GI	none	Score	374
Exons	6068..6328, 6068..6325, 6069..6338, 6070..6327		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45817	Strand	-
Start	7057	End	9482
Name	OJ990105_08.9819.C8.o3.np	Method	AAT/NAP
Start	6073	End	6382
GI	1076815	Score	439
Exons	6073..6382		
GI Descrip.	NADH dehydrogenase subunit I - maize (fragment)		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45817	Strand	-
Start	7057	End	9482
Name	OJ990105_08.9819.C8.o4.np	Method	AAT/NAP
Start	6850	End	9482
GI	82640	Score	2597
Exons	6850..8421, 9438..9482		
GI Descrip.	maturase-related protein (nad1 intron) - wheat mitochondrion gi|1334611|emb|CAA41033| (X57965) initiation unknown [Triticum aestivum]		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45817	Strand	-
Start	7057	End	9482
Name	OJ990105_08.9819.C8.o3.gs	Method	GENSCAN
Start	7057	End	9228
GI	none	Score	.55
Exons	7057..7924, 7985..8186, 9225..9228		

Seq. No.	22027	Seq. ID	OJ990105_08.9819.C8
Gene No.	45817	Strand	-
Start	7057	End	9482
Name	OJ990105_08.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	7075	End	7482
GI	none	Score	567
Exons	7075..7482, 7076..7480		

Seq. No.	22028	Seq. ID	OJ990105_08.9819.C9
Gene No.	45818	Strand	+
Start	347	End	1188
Name	OJ990105_08.9819.C9.o1.gs	Method	GENSCAN
Start	347	End	1188
GI	none	Score	.64
Exons	347..1188		

Seq. No.	22029	Seq. ID	OJ990105_08.9819.C10
Gene No.	45819	Strand	+
Start	210	End	1514
Name	OJ990105_08.9819.C10.o1.gs	Method	GENSCAN

Start	210	End	1443
GI	none	Score	.65
Exons	210..278, 1093..1443		

Seq. No.	22029	Seq. ID	OJ990105_08.9819.C10
Gene No.	45819	Strand	+
Start	210	End	1514
Name	OJ990105_08.9819.C10.o1.np	Method	AAT/NAP
Start	1072	End	1514
GI	4680179	Score	231
Exons	1072..1514		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22029	Seq. ID	OJ990105_08.9819.C10
Gene No.	45819	Strand	+
Start	210	End	1514
Name	OJ990105_08.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	1318	End	1509
GI	none	Score	185
Exons	1318..1509, 1329..1493		

Seq. No.	22030	Seq. ID	OJ990105_08.9819.C11
Gene No.	45820	Strand	+
Start	47	End	2328
Name	OJ990105_08.9819.C11.o1.np	Method	AAT/NAP
Start	47	End	2328
GI	119714	Score	149
Exons	47..222, 1820..2328		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	22031	Seq. ID	OJ990105_08.9819.C12
Gene No.	45821	Strand	-
Start	905	End	1117
Name	OJ990105_08.9819.C12.o1.gs	Method	GENSCAN
Start	905	End	1117
GI	none	Score	.57
Exons	905..1117		

Seq. No.	22032	Seq. ID	OJ990105_08.9819.C13
Gene No.	45822	Strand	-
Start	755	End	821
Name	OJ990105_08.9819.C13.o1.gs	Method	GENSCAN
Start	755	End	821
GI	none	Score	.69
Exons	755..821		

Seq. No.	22033	Seq. ID	OJ990105_08.9819.C14
Gene No.	45823	Strand	-
Start	1127	End	1224
Name	OJ990105_08.9819.C14.o1.np	Method	AAT/NAP
Start	403	End	577
GI	6063554	Score	104
Exons	403..577		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	22033	Seq. ID	OJ990105_08.9819.C14
Gene No.	45823	Strand	-
Start	1127	End	1224
Name	OJ990105_08.9819.C14.o1.gs	Method	GENSCAN
Start	1127	End	1224
GI	none	Score	.43
Exons	1127..1224		

Seq. No.	22034	Seq. ID	OJ990105_08.9819.C19
Gene No.	45824	Strand	+
Start	986	End	3079
Name	OJ990105_08.9819.C19.o1.gs	Method	GENSCAN
Start	986	End	3079
GI	none	Score	.79
Exons	986..1037, 2606..2754, 2878..3079		

Seq. No.	22035	Seq. ID	OJ990105_08.9819.C20
Gene No.	45825	Strand	+
Start	711	End	1545
Name	OJ990105_08.9819.C20.o1.gs	Method	GENSCAN
Start	711	End	1545
GI	none	Score	.55
Exons	711..726, 1331..1545		

Seq. No.	22035	Seq. ID	OJ990105_08.9819.C20
Gene No.	45826	Strand	-
Start	2158	End	3263
Name	OJ990105_08.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	624	End	972
GI	none	Score	177
Exons	624..971, 628..972		

Seq. No.	22035	Seq. ID	OJ990105_08.9819.C20
Gene No.	45826	Strand	-
Start	2158	End	3263
Name	OJ990105_08.9819.C20.o2.gs	Method	GENSCAN
Start	2158	End	3263
GI	none	Score	.77
Exons	2158..2753, 3254..3263		

Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45827	Strand	+
Start	1003	End	1860
Name	OJ990105_08.9819.C21.o1.gs	Method	GENSCAN
Start	1003	End	1843
GI	none	Score	.77
Exons	1003..1064, 1627..1843		

Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45827	Strand	+
Start	1003	End	1860
Name	OJ990105_08.9819.C21.o1.np	Method	AAT/NAP
Start	1190	End	1860
GI	769722	Score	1152

Exons	1190..1860		
GI Descrip.	(D32052) ORF224 [Oryza sativa]		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45828	Strand	+
Start	1936	End	2211
Name	OJ990105_08.9819.C21.o2.np	Method	AAT/NAP
Start	1936	End	2211
GI	769724	Score	481
Exons	1936..2211		
GI Descrip.	(D32052) ORF92B [Oryza sativa]		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45829	Strand	+
Start	3486	End	3921
Name	OJ990105_08.9819.C21.o2.gs	Method	GENSCAN
Start	3486	End	3921
GI	none	Score	.73
Exons	3486..3563, 3838..3921		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45830	Strand	+
Start	10848	End	14758
Name	OJ990105_08.9819.C21.o7.np	Method	AAT/NAP
Start	10848	End	14758
GI	5902444	Score	867
Exons	10848..10943, 13915..14758		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45831	Strand	-
Start	1785	End	2207
Name	OJ990105_08.9819.C21.o1.gp	Method	AAT/GAP
Start	1785	End	2207
GI	uC-osflcyp099h10a1	Score	746
Exons	1785..2207		
GI Descrip.	'769724/dbj|BAA06828.1| 3.0e-27 (D32052) ORF92B [Oryza sativa]'		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45832	Strand	-
Start	3477	End	3884
Name	OJ990105_08.9819.C21.o3.np	Method	AAT/NAP
Start	3477	End	3884
GI	769725	Score	745
Exons	3477..3884		
GI Descrip.	(D32052) ORF136 [Oryza sativa]		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45833	Strand	-
Start	4859	End	7301
Name	OJ990105_08.9819.C21.o3.gs	Method	GENSCAN
Start	4859	End	7273
GI	none	Score	.96
Exons	4859..4995, 5055..5076, 5258..5296, 7154..7273		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45833	Strand	-

Start	4859	End	7301
Name	OJ990105_08.9819.C21.o4.np	Method	AAT/NAP
Start	6927	End	7301
GI	134056	Score	654
Exons	6927..7301		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S12 gi|100721|pir||S17913 ribosomal protein S12 - rice mitochondrion gi|769727|dbj|BAA06831.1| (D32052) ribosomal protein S12 [Oryza sativa] gi|769735|dbj|BAA04795| (D21251) ribosomal protein S12 [Oryza sativa] gi|870717 (M57904) ribosomal protein S12 [Oryza sativa]		

Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45834	Strand	-
Start	7349	End	7813
Name	OJ990105_08.9819.C21.o5.np	Method	AAT/NAP
Start	7349	End	7813
GI	100719	Score	808
Exons	7349..7813		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice mitochondrion gi|769728|dbj|BAA06832.1| (D32052) NADH dehydrogenase subunit 3 [Oryza sativa] gi|769734|dbj|BAA04794| (D21251) NADH dehydrogenase subunit 3 [Oryza sativa] gi|870716 (M57904) Nad3 protein [Oryza sativa]		

Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45835	Strand	-
Start	7939	End	8014
Name	OJ990105_08.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	6916	End	7191
GI	none	Score	225
Exons	6916..7191, 6933..7190, 6935..7111		

Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45835	Strand	-
Start	7939	End	8014
Name	OJ990105_08.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	6922	End	7301
GI	none	Score	240
Exons	6922..7224, 6933..7301		

Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45835	Strand	-
Start	7939	End	8014
Name	OJ990105_08.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	6927	End	7289
GI	none	Score	257
Exons	6927..7289, 6928..7224		

Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45835	Strand	-
Start	7939	End	8014
Name	OJ990105_08.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	7244	End	7640
GI	4397510	Score	115
Exons	7244..7639, 7248..7328, 7249..7329, 7318..7638, 7355..7639, 7497..7640		

GI Descrip.	2147784/pir__S71081 4.0e-53 NADH dehydrogenase chain 3 - onion mitochondrion >gi_1518344_emb_CAA89850_ (Z49772) NADH dehydrogenase subunit 3 [Allium cepa]		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45835	Strand	-
Start	7939	End	8014
Name	OJ990105_08.9819.C21.o6.np	Method	AAT/NAP
Start	7939	End	8014
GI	266533	Score	83
Exons	7939..8014		
GI Descrip.	MITOCHONDRIAL 22 KD PROTEIN (ORF 25) gi|283013|pir||S26876 hypothetical protein 25 (coxIII 5'region) - rice mitochondrion gi|804814|gb|AAA66047.1| (M74241) orf25 [Oryza sativa subsp. indica]		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45836	Strand	
Start	8293	End	8429
Name	OJ990105_08.9819.C21.o3.tm	Method	TBLASTX:Maize
Start	8293	End	8429
GI	none	Score	158
Exons	8293..8382, 8294..8380, 8377..8400, 8391..8429, 8391..8429		
Seq. No.	22036	Seq. ID	OJ990105_08.9819.C21
Gene No.	45837	Strand	
Start	8431	End	8645
Name	OJ990105_08.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	8431	End	8645
GI	none	Score	171
Exons	8431..8601, 8435..8554, 8445..8573, 8446..8595, 8598..8645, 8600..8641		
Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45838	Strand	+
Start	1	End	5918
Name	OJ990105_08.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	5882
GI	5922631	Score	6177
Exons	1..24, 379..438, 688..890, 936..1507, 1550..1700, 1827..2748, 3355..5882		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45838	Strand	+
Start	1	End	5918
Name	OJ990105_08.9819.C22.o1.gs	Method	GENSCAN
Start	391	End	5918
GI	none	Score	.83
Exons	391..1445, 1454..1898, 2074..2740, 2837..5918		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45839	Strand	-
Start	6234	End	9465
Name	OJ990105_08.9819.C22.o2.gs	Method	GENSCAN
Start	6234	End	9465
GI	none	Score	.81
Exons	6234..6682, 6755..6859, 6932..7121, 7197..7384, 7459..7817, 7869..8052, 8118..8151, 8277..9200, 9288..9312, 9434..9465		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45839	Strand	-
Start	6234	End	9465
Name	OJ990105_08.9819.C22.o2.np	Method	AAT/NAP
Start	6237	End	9161
GI	6691716	Score	2348
Exons	6237..6682, 6755..6859, 7010..7121, 7197..7391, 7568..7817, 7899..8096, 8286..9161		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o8.tw	Method	TBLASTX:Wheat
Start	1112	End	1436
GI	none	Score	262
Exons	1112..1381, 1113..1436		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o6.tw	Method	TBLASTX:Wheat
Start	2088	End	2545
GI	none	Score	149
Exons	2088..2264, 2309..2545, 2313..2543		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	2765	End	3221
GI	none	Score	497
Exons	2765..3220, 2766..3221		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o3.ts	Method	TBLASTX:Soybean
Start	2805	End	3170
GI	none	Score	135
Exons	2805..3029, 3036..3170		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o2.tm	Method	TBLASTX:Maize

Start	2895	End	3251
GI	none	Score	375
Exons	2895..3251, 2936..3241		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o2.tw	Method	TBLASTX:Wheat
Start	3336	End	3760
GI	none	Score	434
Exons	3336..3755, 3380..3760, 3401..3760		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	3414	End	3815
GI	none	Score	315
Exons	3414..3815, 3431..3574, 3611..3784		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o3.tm	Method	TBLASTX:Maize
Start	3482	End	3926
GI	none	Score	273
Exons	3482..3736, 3483..3737, 3758..3889, 3759..3902, 3900..3926		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o7.tw	Method	TBLASTX:Wheat
Start	3764	End	4050
GI	none	Score	269
Exons	3764..3841, 3765..4046, 3900..4031, 3952..4050		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	4041	End	4429
GI	none	Score	86
Exons	4041..4145, 4049..4429, 4185..4427		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o4.tw	Method	TBLASTX:Wheat
Start	4050	End	4472
GI	none	Score	414
Exons	4050..4472, 4058..4462		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o5.tm	Method	TBLASTX:Maize
Start	4302	End	4556

GI	none	Score	193
Exons	4302..4556		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o10.tw	Method	TBLASTX:Wheat
Start	4488	End	4787
GI	none	Score	130
Exons	4488..4622, 4647..4787		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	4784	End	5147
GI	none	Score	446
Exons	4784..5095, 4785..5108, 4805..5119, 5099..5146, 5100..5147		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o3.tw	Method	TBLASTX:Wheat
Start	4788	End	5178
GI	none	Score	420
Exons	4788..4946, 4790..5101, 4791..5177, 4986..5177, 4987..5178		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o6.tm	Method	TBLASTX:Maize
Start	5249	End	5522
GI	none	Score	89
Exons	5249..5356, 5250..5348, 5339..5413, 5343..5426, 5436..5522		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o5.tw	Method	TBLASTX:Wheat
Start	5292	End	5906
GI	none	Score	279
Exons	5292..5570, 5312..5401, 5453..5560, 5625..5783, 5769..5906		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o4.tm	Method	TBLASTX:Maize
Start	5634	End	5869
GI	none	Score	152
Exons	5634..5786, 5765..5869, 5766..5867		

Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o9.tw	Method	TBLASTX:Wheat
Start	8751	End	9041
GI	none	Score	213

Exons	8751..9041		
Seq. No.	22037	Seq. ID	OJ990105_08.9819.C22
Gene No.	45840	Strand	-
Start	11091	End	12331
Name	OJ990105_08.9819.C22.o3.gs	Method	GENSCAN
Start	11091	End	12331
GI	none	Score	.96
Exons	11091..11225, 12248..12331		
Seq. No.	22038	Seq. ID	OJ990105_08.9819.C23
Gene No.	45841	Strand	+
Start	1	End	1673
Name	OJ990105_08.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	1123
GI	4680179	Score	295
Exons	1..40, 257..809, 888..1123		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	22038	Seq. ID	OJ990105_08.9819.C23
Gene No.	45841	Strand	+
Start	1	End	1673
Name	OJ990105_08.9819.C23.o2.np	Method	AAT/NAP
Start	1	End	1179
GI	130582	Score	50
Exons	1..22, 1043..1179		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	22038	Seq. ID	OJ990105_08.9819.C23
Gene No.	45841	Strand	+
Start	1	End	1673
Name	OJ990105_08.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	433	End	732
GI	none	Score	224
Exons	433..732, 456..560		
Seq. No.	22038	Seq. ID	OJ990105_08.9819.C23
Gene No.	45841	Strand	+
Start	1	End	1673
Name	OJ990105_08.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	433	End	783
GI	none	Score	269
Exons	433..783, 447..611		
Seq. No.	22038	Seq. ID	OJ990105_08.9819.C23
Gene No.	45841	Strand	+
Start	1	End	1673
Name	OJ990105_08.9819.C23.o1.gs	Method	GENSCAN
Start	460	End	1673
GI	none	Score	.89
Exons	460..1206, 1581..1673		
Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45842	Strand	+

Start	1891	End	2682
Name	OJ990105_08.9819.C24.o1.gs	Method	GENSCAN
Start	1891	End	2682
GI	none	Score	.97
Exons	1891..2682		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o1.np	Method	AAT/NAP
Start	2901	End	7595
GI	4680179	Score	4946
Exons	2901..3956, 3984..6940, 7510..7595		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o8.tw	Method	TBLASTX:Wheat
Start	3107	End	3305
GI	none	Score	215
Exons	3107..3304, 3108..3305		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o6.tw	Method	TBLASTX:Wheat
Start	3356	End	3707
GI	none	Score	289
Exons	3356..3529, 3357..3707		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o5.tm	Method	TBLASTX:Maize
Start	3357	End	3662
GI	none	Score	233
Exons	3357..3662, 3383..3532		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o7.tw	Method	TBLASTX:Wheat
Start	4041	End	4394
GI	none	Score	256
Exons	4041..4394		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o6.tm	Method	TBLASTX:Maize
Start	4398	End	4591
GI	none	Score	188
Exons	4398..4589, 4436..4591		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+

Start	2901	End	7595
Name	OJ990105_08.9819.C24.o4.tw	Method	TBLASTX:Wheat
Start	4526	End	5010
GI	none	Score	535
Exons	4526..4966, 4527..5009, 4530..5006, 4636..5010		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o4.ts	Method	TBLASTX:Soybean
Start	4563	End	4877
GI	none	Score	198
Exons	4563..4877		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o4.tm	Method	TBLASTX:Maize
Start	4592	End	5039
GI	none	Score	373
Exons	4592..5029, 4596..5039		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	4950	End	5345
GI	none	Score	57
Exons	4950..4982, 4950..4982, 4986..5039, 4988..5029, 5094..5345, 5102..5335		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o2.np	Method	AAT/NAP
Start	5097	End	7293
GI	485862	Score	188
Exons	5097..5118, 7033..7293		
GI Descrip.	(X75036) NADH dehydrogenase [Triticum aestivum]		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o5.tw	Method	TBLASTX:Wheat
Start	5097	End	5327
GI	none	Score	321
Exons	5097..5327, 5099..5326		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o2.tm	Method	TBLASTX:Maize
Start	5247	End	5681
GI	none	Score	38
Exons	5247..5279, 5277..5648, 5294..5617, 5640..5681		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24

Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o3.tw	Method	TBLASTX:Wheat
Start	5330	End	5744
GI	none	Score	576
Exons	5330..5425, 5331..5744, 5444..5728, 5512..5742		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o3.ts	Method	TBLASTX:Soybean
Start	5367	End	5615
GI	none	Score	206
Exons	5367..5615		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o2.tw	Method	TBLASTX:Wheat
Start	5851	End	6354
GI	none	Score	606
Exons	5851..6354, 5997..6047, 6099..6350		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	6052	End	6378
GI	none	Score	90
Exons	6052..6234, 6235..6378, 6237..6377		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o2.ts	Method	TBLASTX:Soybean
Start	6142	End	6402
GI	none	Score	301
Exons	6142..6402, 6153..6401		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o3.tm	Method	TBLASTX:Maize
Start	6201	End	6492
GI	none	Score	152
Exons	6201..6488, 6201..6488, 6202..6492, 6334..6489		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+
Start	2901	End	7595
Name	OJ990105_08.9819.C24.o1.tw	Method	TBLASTX:Wheat
Start	6361	End	6939
GI	none	Score	664
Exons	6361..6939, 6420..6869		

Seq. No.	22039	Seq. ID	OJ990105_08.9819.C24
Gene No.	45843	Strand	+

Start	2901	End	7595
Name	OJ990105_08.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	6540	End	6939
GI	none	Score	230
Exons	6540..6695, 6541..6702, 6555..6704, 6699..6872, 6700..6939, 6859..6924		

Seq. No.	22040	Seq. ID	OJ990105_08.9819.C25
Gene No.	45844	Strand	+
Start	1709	End	1976
Name	OJ990105_08.9819.C25.o1.gs	Method	GENSCAN
Start	1709	End	1976
GI	none	Score	.56
Exons	1709..1976		

Seq. No.	22041	Seq. ID	OJ990105_08.9819.C26
Gene No.	45845	Strand	+
Start	3754	End	5461
Name	OJ990105_08.9819.C26.o1.np	Method	AAT/NAP
Start	3754	End	5461
GI	5091604	Score	189
Exons	3754..3946, 5430..5461		
GI Descrip.	(AC007858) 10A19I.8 [Oryza sativa]		

Seq. No.	22041	Seq. ID	OJ990105_08.9819.C26
Gene No.	45845	Strand	+
Start	3754	End	5461
Name	OJ990105_08.9819.C26.o1.gs	Method	GENSCAN
Start	3766	End	5409
GI	none	Score	.47
Exons	3766..4022, 4392..4406, 5337..5409		

Seq. No.	22041	Seq. ID	OJ990105_08.9819.C26
Gene No.	45846	Strand	+
Start	5379	End	5628
Name	OJ990105_08.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	3748	End	3942
GI	none	Score	235
Exons	3748..3942, 3765..3887		

Seq. No.	22041	Seq. ID	OJ990105_08.9819.C26
Gene No.	45846	Strand	+
Start	5379	End	5628
Name	OJ990105_08.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	3757	End	3942
GI	none	Score	238
Exons	3757..3942, 3762..3884		

Seq. No.	22041	Seq. ID	OJ990105_08.9819.C26
Gene No.	45846	Strand	+
Start	5379	End	5628
Name	OJ990105_08.9819.C26.o2.np	Method	AAT/NAP
Start	5379	End	5628
GI	769720	Score	295
Exons	5379..5628		
GI Descrip.	(D32052) ORF83B [Oryza sativa]		

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45847	Strand	+
Start	629	End	2235
Name	OJ990105_08.9819.C27.o1.gs	Method	GENSCAN
Start	629	End	1761
GI	none	Score	.69
Exons	629..866, 922..954, 1341..1582, 1723..1761		

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45847	Strand	+
Start	629	End	2235
Name	OJ990105_08.9819.C27.o3.np	Method	AAT/NAP
Start	1382	End	2235
GI	124197	Score	263
Exons	1382..1617, 2203..2235		
GI Descrip.	TRANSLATION INITIATION FACTOR IF-1, CHLOROPLAST gi|72885|pir||FIRZ1 translation initiation factor IF-1 - rice chloroplast gi|12021|emb|CAA33930| (X15901) initiation factor 1 [Oryza sativa] gi|226642|prf||1603356BR initiation factor 1 [Oryza sativa] gi|227785|prf||1711263A initiation factor 1 [Oryza sativa]		

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45848	Strand	-
Start	1147	End	2235
Name	OJ990105_08.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	983	End	1600
GI	none	Score	179
Exons	983..1303, 998..1171, 999..1304, 1243..1305, 1416..1598, 1416..1598, 1418..1600		

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45848	Strand	-
Start	1147	End	2235
Name	OJ990105_08.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	998	End	1421
GI	none	Score	79
Exons	998..1066, 999..1187, 1000..1065, 1100..1126, 1143..1208, 1194..1421, 1205..1417		

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45848	Strand	-
Start	1147	End	2235
Name	OJ990105_08.9819.C27.o1.tw	Method	TBLASTX:Wheat
Start	1093	End	1423
GI	none	Score	60
Exons	1093..1128, 1093..1128, 1094..1132, 1102..1170, 1112..1168, 1114..1170, 1179..1421, 1196..1417, 1217..1423		

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45848	Strand	-
Start	1147	End	2235
Name	OJ990105_08.9819.C27.o1.gp	Method	AAT/GAP
Start	1147	End	1422
GI	481_1.R1084	Score	485
Exons	1147..1422		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL		

PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45848	Strand	-
Start	1147	End	2235
Name	OJ990105_08.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	1167	End	1403
GI	none	Score	230
Exons	1167..1403, 1199..1402		

Seq. No.	22042	Seq. ID	OJ990105_08.9819.C27
Gene No.	45848	Strand	-
Start	1147	End	2235
Name	OJ990105_08.9819.C27.o2.np	Method	AAT/NAP
Start	1208	End	2235
GI	132672	Score	321
Exons	1208..1418, 2214..2235		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	22043	Seq. ID	OJ990105_08.9819.C28
Gene No.	45849	Strand	+
Start	574	End	718
Name	OJ990105_08.9819.C28.o1.gp	Method	AAT/GAP
Start	574	End	718
GI	10569_1.R1084	Score	229
Exons	574..718		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	22043	Seq. ID	OJ990105_08.9819.C28
Gene No.	45850	Strand	-
Start	763	End	948
Name	OJ990105_08.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	578	End	734
GI	none	Score	223
Exons	578..718, 579..734, 627..719		

Seq. No.	22043	Seq. ID	OJ990105_08.9819.C28
Gene No.	45850	Strand	-
Start	763	End	948
Name	OJ990105_08.9819.C28.o1.gs	Method	GENSCAN
Start	763	End	948
GI	none	Score	.48
Exons	763..795, 851..948		

Seq. No.	22044	Seq. ID	OJ990105_08.9819.C29
Gene No.	45851	Strand	+
Start	355	End	1169
Name	OJ990105_08.9819.C29.o1.gs	Method	GENSCAN
Start	355	End	1169
GI	none	Score	.53

Exons	355..459, 846..1169		
Seq. No.	22044	Seq. ID	OJ990105_08.9819.C29
Gene No.	45852	Strand	-
Start	388	End	1199
Name	OJ990105_08.9819.C29.o1.np	Method	AAT/NAP
Start	388	End	1199
GI	6907087	Score	209
Exons	388..490, 1030..1199		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	22045	Seq. ID	OJ990105_08.9819.C32
Gene No.	45853	Strand	-
Start	443	End	1480
Name	OJ990105_08.9819.C32.o1.gs	Method	GENSCAN
Start	443	End	1480
GI	none	Score	.48
Exons	443..1480		
Seq. No.	22046	Seq. ID	OJ990105_08.9819.C33
Gene No.	45854	Strand	+
Start	1	End	788
Name	OJ990105_08.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	788
GI	4680179	Score	961
Exons	1..788		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	22046	Seq. ID	OJ990105_08.9819.C33
Gene No.	45855	Strand	-
Start	1	End	2055
Name	OJ990105_08.9819.C33.o2.np	Method	AAT/NAP
Start	1	End	2055
GI	5852179	Score	183
Exons	1..81, 1420..1734, 1809..2055		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	22046	Seq. ID	OJ990105_08.9819.C33
Gene No.	45855	Strand	-
Start	1	End	2055
Name	OJ990105_08.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	37	End	548
GI	none	Score	90
Exons	37..114, 44..112, 121..306, 135..305, 311..406, 391..423, 425..499, 513..548		
Seq. No.	22046	Seq. ID	OJ990105_08.9819.C33
Gene No.	45855	Strand	-
Start	1	End	2055
Name	OJ990105_08.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	37	End	406
GI	none	Score	255
Exons	37..303, 135..302, 308..406		
Seq. No.	22046	Seq. ID	OJ990105_08.9819.C33

Gene No.	45855	Strand	-
Start	1	End	2055
Name	OJ990105_08.9819.C33.o1.gs	Method	GENSCAN
Start	125	End	1916
GI	none	Score	.64
Exons	125..228, 551..688, 747..812, 1100..1916		

Seq. No.	22046	Seq. ID	OJ990105_08.9819.C33
Gene No.	45855	Strand	-
Start	1	End	2055
Name	OJ990105_08.9819.C33.o2.tw	Method	TBLASTX:Wheat
Start	425	End	692
GI	none	Score	83
Exons	425..499, 512..691, 513..692		

Seq. No.	22047	Seq. ID	OJ990715_07.9819.C2
Gene No.	45856	Strand	+
Start	195	End	335
Name	OJ990715_07.9819.C2.o1.gs	Method	GENSCAN
Start	195	End	335
GI	none	Score	.57
Exons	195..335		

Seq. No.	22048	Seq. ID	OJ990715_07.9819.C3
Gene No.	45857	Strand	+
Start	1	End	437
Name	OJ990715_07.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	437
GI	5902446	Score	685
Exons	1..437		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	22048	Seq. ID	OJ990715_07.9819.C3
Gene No.	45857	Strand	+
Start	1	End	437
Name	OJ990715_07.9819.C3.o1.gs	Method	GENSCAN
Start	46	End	369
GI	none	Score	.74
Exons	46..369		

Seq. No.	22049	Seq. ID	OJ990715_07.9819.C6
Gene No.	45858	Strand	-
Start	995	End	2454
Name	OJ990715_07.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	397	End	645
GI	none	Score	55
Exons	397..507, 398..508, 516..572, 522..566, 573..644, 577..645		

Seq. No.	22049	Seq. ID	OJ990715_07.9819.C6
Gene No.	45858	Strand	-
Start	995	End	2454
Name	OJ990715_07.9819.C6.o1.gs	Method	GENSCAN
Start	995	End	2454
GI	none	Score	.97
Exons	995..1445, 1931..2454		

Seq. No.	22049	Seq. ID	OJ990715_07.9819.C6

Gene No.	45858	Strand	-
Start	995	End	2454
Name	OJ990715_07.9819.C6.o1.np	Method	AAT/NAP
Start	1001	End	2391
GI	6911845	Score	535
Exons	1001..1487, 1931..2391		
GI Descrip.	(AL138649) sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	22049	Seq. ID	OJ990715_07.9819.C6
Gene No.	45858	Strand	-
Start	995	End	2454
Name	OJ990715_07.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	1004	End	1426
GI	none	Score	73
Exons	1004..1126, 1026..1121, 1028..1141, 1122..1271, 1148..1426		

Seq. No.	22049	Seq. ID	OJ990715_07.9819.C6
Gene No.	45858	Strand	-
Start	995	End	2454
Name	OJ990715_07.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1112	End	1360
GI	none	Score	97
Exons	1112..1360, 1143..1271		

Seq. No.	22049	Seq. ID	OJ990715_07.9819.C6
Gene No.	45858	Strand	-
Start	995	End	2454
Name	OJ990715_07.9819.C6.o1.gp	Method	AAT/GAP
Start	2000	End	2399
GI	2428038	Score	738
Exons	2000..2399		

Seq. No.	22049	Seq. ID	OJ990715_07.9819.C6
Gene No.	45858	Strand	-
Start	995	End	2454
Name	OJ990715_07.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	2083	End	2454
GI	none	Score	114
Exons	2083..2241, 2083..2226, 2188..2376, 2197..2313, 2323..2394, 2356..2454, 2396..2419		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45859	Strand	+
Start	5108	End	15245
Name	OJ990715_07.9819.C7.o1.np	Method	AAT/NAP
Start	5108	End	11973
GI	4680183	Score	4001
Exons	5108..7590, 11116..11158, 11246..11632, 11826..11973		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45859	Strand	+
Start	5108	End	15245
Name	OJ990715_07.9819.C7.o2.np	Method	AAT/NAP
Start	11761	End	15245
GI	4680180	Score	2600
Exons	11761..13507, 15140..15245		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45860	Strand	+
Start	19678	End	25803
Name	OJ990715_07.9819.C7.o4.gs	Method	GENSCAN
Start	19678	End	25803
GI	none	Score	.65
Exons	19678..22598, 22695..24327, 24427..25803		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45860	Strand	+
Start	19678	End	25803
Name	OJ990715_07.9819.C7.o6.np	Method	AAT/NAP
Start	19678	End	22611
GI	5902444	Score	4921
Exons	19678..22611		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45860	Strand	+
Start	19678	End	25803
Name	OJ990715_07.9819.C7.o7.np	Method	AAT/NAP
Start	22678	End	25772
GI	5902445	Score	5304
Exons	22678..25772		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45861	Strand	-
Start	13820	End	16740
Name	OJ990715_07.9819.C7.o2.gs	Method	GENSCAN
Start	13820	End	16740
GI	none	Score	.87
Exons	13820..14271, 14345..14460, 14667..14710, 14785..14984, 15050..15252, 15482..15702, 15858..15979, 15992..16192, 16419..16740		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45861	Strand	-
Start	13820	End	16740
Name	OJ990715_07.9819.C7.o3.np	Method	AAT/NAP
Start	13823	End	14285
GI	5902446	Score	591
Exons	13823..14285		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45861	Strand	-
Start	13820	End	16740
Name	OJ990715_07.9819.C7.o4.np	Method	AAT/NAP
Start	15015	End	15759
GI	5902447	Score	479
Exons	15015..15759		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7

Gene No.	45861	Strand	-
Start	13820	End	16740
Name	OJ990715_07.9819.C7.o5.np	Method	AAT/NAP
Start	15849	End	16740
GI	5902448	Score	1461
Exons	15849..16740		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45862	Strand	-
Start	18238	End	18780
Name	OJ990715_07.9819.C7.o3.gs	Method	GENSCAN
Start	18238	End	18780
GI	none	Score	.96
Exons	18238..18780		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o7.tw	Method	TBLASTX:Wheat
Start	6408	End	21369
GI	none	Score	297
Exons	6408..6677, 6409..6810, 20967..21236, 20968..21369		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o6.tw	Method	TBLASTX:Wheat
Start	7390	End	22403
GI	none	Score	147
Exons	7390..7566, 7611..7754, 7615..7794, 7903..7935, 21946..22122, 22009..22122, 22165..22401, 22170..22403		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	11097	End	23079
GI	none	Score	486
Exons	11097..11552, 11098..11553, 22623..23078, 22624..23079		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o3.ts	Method	TBLASTX:Soybean
Start	11137	End	23028
GI	none	Score	125
Exons	11137..11361, 11368..11502, 22663..22887, 22894..23028		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	11226	End	23109
GI	none	Score	364
Exons	11226..11573, 11227..11583, 22753..23109, 22794..23099		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	11668	End	23618
GI	none	Score	402
Exons	11668..12087, 11766..12092, 23194..23613, 23238..23618, 23241..23618		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	11716	End	23673
GI	none	Score	290
Exons	11716..12147, 11763..11906, 11779..12060, 23272..23673, 23289..23432, 23469..23639		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	11814	End	23784
GI	none	Score	273
Exons	11814..12068, 11815..12069, 11815..12069, 12061..12222, 12232..12258, 23340..23594, 23341..23595, 23616..23747, 23617..23760, 23758..23784		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o8.tw	Method	TBLASTX:Wheat
Start	12097	End	23904
GI	none	Score	267
Exons	12097..12378, 12106..12204, 12286..12381, 23622..23699, 23623..23904, 23758..23892		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	12373	End	24287
GI	none	Score	87
Exons	12373..12477, 12381..12467, 12513..12761, 12517..12669, 23899..24285, 23907..24287		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o5.tw	Method	TBLASTX:Wheat
Start	12382	End	24330
GI	none	Score	335
Exons	12382..12804, 12387..12806, 23908..24330, 23916..24320		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380

Name	OJ990715_07.9819.C7.o6.tm	Method	TBLASTX:Maize
Start	12435	End	24234
GI	none	Score	128
Exons	12435..12605, 12436..12606, 12610..12672, 23961..24131, 23971..24132, 24136..24234, 24168..24233		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o10.tw	Method	TBLASTX:Wheat
Start	12820	End	24645
GI	none	Score	120
Exons	12820..12954, 13021..13119, 24346..24480, 24505..24645		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	13117	End	25005
GI	none	Score	395
Exons	13117..13428, 13140..13427, 24643..24966, 24663..24986, 24663..24953, 24958..25005		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o4.tw	Method	TBLASTX:Wheat
Start	13122	End	25035
GI	none	Score	318
Exons	13122..13340, 13123..13434, 13324..13434, 24648..24959, 24649..25035, 24844..25035		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o9.tw	Method	TBLASTX:Wheat
Start	16330	End	28911
GI	none	Score	58
Exons	16330..16620, 16366..16524, 28621..28911		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o5.tm	Method	TBLASTX:Maize
Start	25107	End	25380
GI	none	Score	95
Exons	25107..25205, 25108..25206, 25197..25271, 25201..25284, 25294..25380		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	25150	End	25764
GI	none	Score	362
Exons	25150..25641, 25170..25259, 25311..25412, 25627..25764		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	25492	End	25725
GI	none	Score	148
Exons	25492..25644, 25584..25643, 25623..25724, 25624..25725		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o5.gs	Method	GENSCAN
Start	26090	End	41380
GI	none	Score	.61
Exons	26090..26538, 26611..26715, 26788..26977, 27053..27240, 27316..28060, 28147..29182, 32325..32377, 37803..37872, 38287..38498, 39729..39866, 39875..40029, 41207..41380		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o10.np	Method	AAT/NAP
Start	26093	End	29031
GI	6691716	Score	2366
Exons	26093..26538, 26611..26727, 26878..26977, 27053..27240, 27316..27475, 27569..27689, 27771..27963, 28161..29031		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o8.np	Method	AAT/NAP
Start	26093	End	26551
GI	5902446	Score	733
Exons	26093..26551		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o11.np	Method	AAT/NAP
Start	27286	End	28048
GI	5902447	Score	1042
Exons	27286..28048		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	22050	Seq. ID	OJ990715_07.9819.C7
Gene No.	45863	Strand	-
Start	26090	End	41380
Name	OJ990715_07.9819.C7.o12.np	Method	AAT/NAP
Start	28138	End	29031
GI	5902448	Score	1570
Exons	28138..29031		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45864	Strand	+
Start	1285	End	4059
Name	OJ990715_07.9819.C8.o1.gs	Method	GENSCAN
Start	1285	End	4059
GI	none	Score	.63
Exons	1285..1289, 3594..4059		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45865	Strand	+
Start	5303	End	11408
Name	OJ990715_07.9819.C8.o1.np	Method	AAT/NAP
Start	5303	End	6515
GI	6539570	Score	230
Exons	5303..5342, 6129..6289, 6449..6515		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45865	Strand	+
Start	5303	End	11408
Name	OJ990715_07.9819.C8.o2.np	Method	AAT/NAP
Start	6155	End	11408
GI	4680203	Score	2257
Exons	6155..6191, 7459..9131, 9285..9607, 11367..11408		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45865	Strand	+
Start	5303	End	11408
Name	OJ990715_07.9819.C8.o2.gp	Method	AAT/GAP
Start	7463	End	9574
GI	342_1.R1084	Score	3509
Exons	7463..9574		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45865	Strand	+
Start	5303	End	11408
Name	OJ990715_07.9819.C8.o3.np	Method	AAT/NAP
Start	9631	End	10686
GI	4680186	Score	372
Exons	9631..9684, 10486..10686		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619
Name	OJ990715_07.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	7774	End	8166
GI	none	Score	91
Exons	7774..7917, 7784..7903, 7900..8151, 7908..8150, 7909..8166, 7911..8153, 7919..8161		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619

Name	OJ990715_07.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	8082	End	8511
GI	none	Score	103
Exons	8082..8165, 8083..8157, 8215..8511, 8247..8498		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619
Name	OJ990715_07.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	8229	End	8559
GI	none	Score	278
Exons	8229..8396, 8251..8559, 8445..8531		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619
Name	OJ990715_07.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	8380	End	8848
GI	none	Score	73
Exons	8380..8436, 8388..8432, 8433..8534, 8434..8538, 8458..8556, 8552..8638, 8553..8639, 8619..8843, 8639..8848, 8642..8848		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619
Name	OJ990715_07.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	8437	End	8882
GI	none	Score	101
Exons	8437..8559, 8553..8678, 8688..8882		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619
Name	OJ990715_07.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	8712	End	8954
GI	none	Score	209
Exons	8712..8954		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619
Name	OJ990715_07.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	8987	End	9444
GI	none	Score	87
Exons	8987..9037, 8988..9050, 9036..9278, 9056..9238, 9307..9360, 9311..9373, 9312..9374, 9359..9433, 9373..9435, 9379..9444		

Seq. No.	22051	Seq. ID	OJ990715_07.9819.C8
Gene No.	45866	Strand	-
Start	10238	End	10619
Name	OJ990715_07.9819.C8.o3.gp	Method	AAT/GAP
Start	10238	End	10619
GI	uC-osflcyp033a04b1	Score	675
Exons	10238..10619		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22052	Seq. ID	OJ990715_07.9819.C9
Gene No.	45867	Strand	+
Start	590	End	1627
Name	OJ990715_07.9819.C9.o1.gs	Method	GENSCAN
Start	590	End	1627
GI	none	Score	.81
Exons	590..1024, 1037..1627		

Seq. No.	22052	Seq. ID	OJ990715_07.9819.C9
Gene No.	45867	Strand	+
Start	590	End	1627
Name	OJ990715_07.9819.C9.o1.np	Method	AAT/NAP
Start	626	End	1606
GI	4680203	Score	977
Exons	626..1606		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22052	Seq. ID	OJ990715_07.9819.C9
Gene No.	45868	Strand	-
Start	1246	End	1690
Name	OJ990715_07.9819.C9.o1.gp	Method	AAT/GAP
Start	1246	End	1690
GI	LIB3431-028-P1-N1-A10	Score	750
Exons	1246..1597, 1625..1690		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	22052	Seq. ID	OJ990715_07.9819.C9
Gene No.	45869	Strand	-
Start	2393	End	2773
Name	OJ990715_07.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	396	End	1546
GI	none	Score	635
Exons	396..701, 403..1137, 404..1153, 821..1138, 1146..1187, 1148..1192, 1151..1192, 1195..1290, 1199..1258, 1237..1377, 1238..1378, 1391..1471, 1460..1546		

Seq. No.	22052	Seq. ID	OJ990715_07.9819.C9
Gene No.	45869	Strand	-
Start	2393	End	2773
Name	OJ990715_07.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	523	End	970
GI	none	Score	337
Exons	523..966, 527..970, 821..970		

Seq. No.	22052	Seq. ID	OJ990715_07.9819.C9
Gene No.	45869	Strand	-
Start	2393	End	2773
Name	OJ990715_07.9819.C9.o2.gs	Method	GENSCAN
Start	2393	End	2773
GI	none	Score	.64
Exons	2393..2773		

Seq. No.	22053	Seq. ID	OJ990715_07.9819.C10
Gene No.	45870	Strand	+
Start	154	End	863
Name	OJ990715_07.9819.C10.o1.gs	Method	GENSCAN

Start	154	End	863
GI	none	Score	.59
Exons	154..313, 404..488, 548..763, 805..863		

Seq. No.	22053	Seq. ID	OJ990715_07.9819.C10
Gene No.	45871	Strand	+
Start	2501	End	5186
Name	OJ990715_07.9819.C10.o2.gs	Method	GENSCAN
Start	2501	End	4962
GI	none	Score	.46
Exons	2501..2622, 2944..2980, 3304..3678, 3805..4725, 4821..4962		

Seq. No.	22053	Seq. ID	OJ990715_07.9819.C10
Gene No.	45871	Strand	+
Start	2501	End	5186
Name	OJ990715_07.9819.C10.o3.np	Method	AAT/NAP
Start	3289	End	5186
GI	4680204	Score	843
Exons	3289..4725, 4821..5186		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	22053	Seq. ID	OJ990715_07.9819.C10
Gene No.	45872	Strand	-
Start	1	End	5172
Name	OJ990715_07.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	5172
GI	5295955	Score	503
Exons	1..267, 440..876, 1558..1672, 2215..2284, 5021..5172		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22053	Seq. ID	OJ990715_07.9819.C10
Gene No.	45872	Strand	-
Start	1	End	5172
Name	OJ990715_07.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	3932	End	4335
GI	none	Score	64
Exons	3932..4072, 3932..4048, 3934..4170, 3934..4128, 4035..4175, 4165..4335, 4260..4334		

Seq. No.	22053	Seq. ID	OJ990715_07.9819.C10
Gene No.	45872	Strand	-
Start	1	End	5172
Name	OJ990715_07.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	4336	End	5033
GI	none	Score	69
Exons	4336..4416, 4336..4392, 4657..4731, 4815..5033, 4817..5032		

Seq. No.	22054	Seq. ID	OJ990715_07.9819.C11
Gene No.	45873	Strand	+
Start	185	End	1409
Name	OJ990715_07.9819.C11.o1.gs	Method	GENSCAN
Start	185	End	1409
GI	none	Score	.74
Exons	185..289, 420..593, 1049..1147, 1227..1409		

Seq. No.	22054	Seq. ID	OJ990715_07.9819.C11

Gene No.	45874	Strand	+
Start	3580	End	3850
Name	OJ990715_07.9819.C11.o2.np	Method	AAT/NAP
Start	3580	End	3850
GI	5902444	Score	418
Exons	3580..3850		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	22054	Seq. ID	OJ990715_07.9819.C11
Gene No.	45875	Strand	-
Start	1544	End	1716
Name	OJ990715_07.9819.C11.o1.gp	Method	AAT/GAP
Start	1544	End	1716
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	1544..1613, 1686..1716		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22054	Seq. ID	OJ990715_07.9819.C11
Gene No.	45876	Strand	
Start	3586	End	3849
Name	OJ990715_07.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	3586	End	3849
GI	none	Score	255
Exons	3586..3849, 3591..3830, 3688..3849		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45877	Strand	+
Start	1	End	1705
Name	OJ990715_07.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	1702
GI	4680180	Score	2924
Exons	1..1702		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45877	Strand	+
Start	1	End	1705
Name	OJ990715_07.9819.C12.o1.gs	Method	GENSCAN
Start	153	End	1705
GI	none	Score	.7
Exons	153..1705		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	89	End	343
GI	none	Score	193
Exons	89..343, 97..204		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	107	End	436

GI	none	Score	310
Exons	107..436, 109..216		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	570	End	934
GI	none	Score	68
Exons	570..788, 571..882, 572..895, 592..915, 886..933, 887..934		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	577	End	964
GI	none	Score	420
Exons	577..888, 578..964, 779..964		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	1036	End	1309
GI	none	Score	95
Exons	1036..1143, 1037..1135, 1126..1200, 1130..1213, 1223..1309		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	1079	End	1693
GI	none	Score	273
Exons	1079..1357, 1099..1188, 1240..1341, 1412..1570, 1556..1693		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	1421	End	1654
GI	none	Score	140
Exons	1421..1573, 1522..1572, 1552..1653, 1553..1654		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o2.gs	Method	GENSCAN
Start	2022	End	2634
GI	none	Score	.8
Exons	2022..2362, 2430..2471, 2544..2634		

Seq. No.	22055	Seq. ID	OJ990715_07.9819.C12
Gene No.	45878	Strand	-
Start	2022	End	2634
Name	OJ990715_07.9819.C12.o2.np	Method	AAT/NAP
Start	2025	End	2484
GI	5902446	Score	699

Exons	2025..2484		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45879	Strand	+
Start	2926	End	3387
Name	OJ990715_07.9819.C13.o1.gp	Method	AAT/GAP
Start	2926	End	3387
GI	uC-osflcyp177g01a1	Score	240
Exons	2926..3088, 3353..3387		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45880	Strand	+
Start	8849	End	12320
Name	OJ990715_07.9819.C13.o3.gs	Method	GENSCAN
Start	8849	End	12320
GI	none	Score	.82
Exons	8849..8992, 9414..9488, 10549..11295, 11334..12320		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45881	Strand	+
Start	12906	End	13323
Name	OJ990715_07.9819.C13.o2.gp	Method	AAT/GAP
Start	12906	End	13323
GI	none	Score	804
Exons	12906..13323		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45882	Strand	+
Start	18096	End	18370
Name	OJ990715_07.9819.C13.o5.gp	Method	AAT/GAP
Start	18096	End	18370
GI	61605_3.R1084	Score	294
Exons	18096..18370		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45883	Strand	-
Start	15	End	5301
Name	OJ990715_07.9819.C13.o1.gs	Method	GENSCAN
Start	15	End	5301
GI	none	Score	.74
Exons	15..644, 731..1065, 1486..1654, 3212..3426, 3568..3667, 3939..4099, 5193..5301		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45883	Strand	-
Start	15	End	5301
Name	OJ990715_07.9819.C13.o1.np	Method	AAT/NAP
Start	722	End	1615
GI	5902448	Score	1564
Exons	722..1615		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45884	Strand	-
Start	7078	End	7502
Name	OJ990715_07.9819.C13.o2.gs	Method	GENSCAN
Start	7078	End	7502
GI	none	Score	.51
Exons	7078..7190, 7256..7502		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	1205	End	1495
GI	none	Score	215
Exons	1205..1495		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o6.tm	Method	TBLASTX:Maize
Start	6575	End	10611
GI	none	Score	173
Exons	6575..6754, 6575..6754, 6576..6755, 10546..10611, 10546..10608, 10548..10610		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o2.tc	Method	TBLASTX:Cress
Start	6626	End	10761
GI	none	Score	128
Exons	6626..6709, 6630..6740, 10546..10761, 10548..10685		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	10614	End	11282
GI	none	Score	596
Exons	10614..11279, 10615..11280, 10622..10720, 10696..11115, 10769..11278, 10776..11282		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	11282	End	11622
GI	none	Score	77
Exons	11282..11335, 11283..11336, 11284..11352, 11323..11490, 11328..11621, 11330..11617, 11332..11622, 11433..11621		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o3.ts	Method	TBLASTX:Soybean
Start	11603	End	12068
GI	none	Score	199

Exons	11603..11965, 11742..12068		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o4.tm	Method	TBLASTX:Maize
Start	11678	End	12068
GI	none	Score	98
Exons	11678..11878, 11678..12067, 11679..12068		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o5.tm	Method	TBLASTX:Maize
Start	12122	End	12375
GI	none	Score	46
Exons	12122..12166, 12126..12188, 12192..12374, 12199..12375, 12206..12364, 12229..12375		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	13359	End	13908
GI	none	Score	67
Exons	13359..13682, 13362..13511, 13510..13659, 13659..13907, 13660..13908, 13663..13908		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o4.gs	Method	GENSCAN
Start	13362	End	19109
GI	none	Score	.82
Exons	13362..13910, 13992..14119, 14530..14633, 15794..15948, 16111..16483, 18415..18542, 18861..19109		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o3.np	Method	AAT/NAP
Start	13365	End	19841
GI	4836881	Score	1140
Exons	13365..13910, 13992..14119, 14530..14633, 18415..18542, 19680..19841		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		
Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	13522	End	18516
GI	none	Score	108
Exons	13522..13644, 13527..13643, 13641..13922, 13642..13911, 13972..14121, 13974..14120, 14528..14632, 14529..14633, 14529..14678, 18411..18515, 18417..18515, 18418..18516		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	13807	End	18510
GI	none	Score	81
Exons	13807..13911, 13809..13922, 13972..14121, 13974..14120, 13978..14121, 14502..14633, 14527..14634, 14528..14635, 18417..18509, 18418..18510		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	13972	End	18554
GI	none	Score	156
Exons	13972..14142, 13974..14120, 13978..14121, 14501..14644, 14502..14648, 18417..18542, 18418..18540, 18422..18550, 18480..18554		

Seq. No.	22056	Seq. ID	OJ990715_07.9819.C13
Gene No.	45885	Strand	-
Start	13362	End	19841
Name	OJ990715_07.9819.C13.o3.gp	Method	AAT/GAP
Start	16367	End	17101
GI	101153_1.R1084	Score	390
Exons	16367..16395, 16872..17101		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22057	Seq. ID	OJ990405_09.9819.C2
Gene No.	45886	Strand	+
Start	1	End	662
Name	OJ990405_09.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	399
GI	5922619	Score	95
Exons	1..145, 300..399		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22057	Seq. ID	OJ990405_09.9819.C2
Gene No.	45886	Strand	+
Start	1	End	662
Name	OJ990405_09.9819.C2.o1.gs	Method	GENSCAN
Start	154	End	662
GI	none	Score	.75
Exons	154..268, 562..662		

Seq. No.	22057	Seq. ID	OJ990405_09.9819.C2
Gene No.	45887	Strand	-
Start	539	End	618
Name	OJ990405_09.9819.C2.o2.np	Method	AAT/NAP
Start	539	End	618
GI	6630699	Score	74
Exons	539..618		

GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	22058	Seq. ID	OJ990405_09.9819.C3
Gene No.	45888	Strand	-
Start	1	End	803
Name	OJ990405_09.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	803
GI	2443887	Score	85
Exons	1..95, 535..803		
GI Descrip.	(AC002294) Similar to transcription factor gb|Z46606|1658307 and others [Arabidopsis thaliana]		
Seq. No.	22058	Seq. ID	OJ990405_09.9819.C3
Gene No.	45888	Strand	-
Start	1	End	803
Name	OJ990405_09.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	505	End	729
GI	none	Score	147
Exons	505..639, 515..658, 519..659, 522..659, 650..700, 654..698, 656..703, 703..729		
Seq. No.	22059	Seq. ID	OJ990405_09.9819.C4
Gene No.	45889	Strand	+
Start	1408	End	1654
Name	OJ990405_09.9819.C4.o1.gp	Method	AAT/GAP
Start	1408	End	1654
GI	13626_1.R1084	Score	435
Exons	1408..1654		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	22060	Seq. ID	OJ990405_09.9819.C5
Gene No.	45890	Strand	+
Start	28	End	702
Name	OJ990405_09.9819.C5.o1.gs	Method	GENSCAN
Start	28	End	702
GI	none	Score	.79
Exons	28..108, 194..276, 385..437, 536..702		
Seq. No.	22060	Seq. ID	OJ990405_09.9819.C5
Gene No.	45890	Strand	+
Start	28	End	702
Name	OJ990405_09.9819.C5.o1.gp	Method	AAT/GAP
Start	403	End	661
GI	none	Score	229
Exons	403..437, 536..661		
Seq. No.	22061	Seq. ID	OJ990405_09.9819.C6
Gene No.	45891	Strand	+
Start	510	End	596
Name	OJ990405_09.9819.C6.o1.gp	Method	AAT/GAP
Start	510	End	596
GI	none	Score	120
Exons	510..596		

Seq. No.	22062	Seq. ID	OJ990405_09.9819.C7
Gene No.	45892	Strand	+
Start	149	End	1281
Name	OJ990405_09.9819.C7.o1.gs	Method	GENSCAN
Start	149	End	950
GI	none	Score	.94
Exons	149..383, 475..616, 820..950		

Seq. No.	22062	Seq. ID	OJ990405_09.9819.C7
Gene No.	45892	Strand	+
Start	149	End	1281
Name	OJ990405_09.9819.C7.o1.gp	Method	AAT/GAP
Start	468	End	1281
GI	33640_1.R1084	Score	1065
Exons	468..616, 820..1281		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	22063	Seq. ID	OJ990405_09.9819.C8
Gene No.	45893	Strand	+
Start	1106	End	1616
Name	OJ990405_09.9819.C8.o1.gs	Method	GENSCAN
Start	1106	End	1616
GI	none	Score	.81
Exons	1106..1279, 1611..1616		

Seq. No.	22063	Seq. ID	OJ990405_09.9819.C8
Gene No.	45894	Strand	+
Start	6370	End	7930
Name	OJ990405_09.9819.C8.o1.np	Method	AAT/NAP
Start	6370	End	7930
GI	4680186	Score	177
Exons	6370..6531, 7113..7246, 7877..7930		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22063	Seq. ID	OJ990405_09.9819.C8
Gene No.	45895	Strand	-
Start	6671	End	7097
Name	OJ990405_09.9819.C8.o1.gp	Method	AAT/GAP
Start	6671	End	7097
GI	4878407	Score	678
Exons	6671..7097		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	22064	Seq. ID	OJ990405_09.9819.C9
Gene No.	45896	Strand	+
Start	97	End	413
Name	OJ990405_09.9819.C9.o1.gs	Method	GENSCAN
Start	97	End	413
GI	none	Score	.54
Exons	97..198, 229..413		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45897	Strand	+
Start	749	End	1044
Name	OJ990405_09.9819.C10.o1.gp	Method	AAT/GAP

Start	749	End	1044
GI	754_1.R1084	Score	541
Exons	749..1044		
GI Descrip.	'2267597 5.0e-46 (AF009413) 10 kDa chaperonin [Oryza sativa]'		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45898	Strand	+
Start	3420	End	5171
Name	OJ990405_09.9819.C10.o2.gs	Method	GENSCAN
Start	3420	End	5171
GI	none	Score	.79
Exons	3420..3438, 4463..4563, 4612..4767, 4929..5171		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45899	Strand	+
Start	6894	End	7529
Name	OJ990405_09.9819.C10.o3.gp	Method	AAT/GAP
Start	6894	End	7529
GI	none	Score	686
Exons	6894..6924, 7060..7529		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45900	Strand	-
Start	432	End	770
Name	OJ990405_09.9819.C10.o1.gs	Method	GENSCAN
Start	432	End	770
GI	none	Score	.77
Exons	432..586, 714..770		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45901	Strand	-
Start	1544	End	5008
Name	OJ990405_09.9819.C10.o2.gp	Method	AAT/GAP
Start	1544	End	5008
GI	none	Score	1334
Exons	1544..1887, 1975..2034, 2498..2538, 3701..3734, 3815..3865, 4806..5008		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45902	Strand	-
Start	6217	End	6871
Name	OJ990405_09.9819.C10.o3.gs	Method	GENSCAN
Start	6217	End	6871
GI	none	Score	.65
Exons	6217..6495, 6644..6871		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45903	Strand	-
Start	8652	End	14075
Name	OJ990405_09.9819.C10.o4.gs	Method	GENSCAN
Start	8652	End	14075
GI	none	Score	.71
Exons	8652..8839, 9491..9647, 9685..9974, 10135..10319, 12789..12868, 12936..13016, 13107..13686, 13769..13923, 14005..14075		

Seq. No.	22065	Seq. ID	OJ990405_09.9819.C10
Gene No.	45903	Strand	-

Start	8652	End	14075
Name	OJ990405_09.9819.C10.o4.gp	Method	AAT/GAP
Start	12300	End	13012
GI	none	Score	837
Exons	12300..12534, 12631..12705, 12789..12868, 12936..13012		

Seq. No.	22066	Seq. ID	OJ990405_09.9819.C11
Gene No.	45904	Strand	-
Start	69	End	171
Name	OJ990405_09.9819.C11.o1.gs	Method	GENSCAN
Start	69	End	171
GI	none	Score	.64
Exons	69..171		

Seq. No.	22066	Seq. ID	OJ990405_09.9819.C11
Gene No.	45905	Strand	
Start	324	End	769
Name	OJ990405_09.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	324	End	769
GI	none	Score	66
Exons	324..518, 374..529, 626..769		

Seq. No.	22067	Seq. ID	OJ990405_09.9819.C12
Gene No.	45906	Strand	-
Start	1	End	395
Name	OJ990405_09.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	395
GI	4585985	Score	288
Exons	1..395		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22068	Seq. ID	OJ990405_09.9819.C13
Gene No.	45907	Strand	-
Start	47	End	1555
Name	OJ990405_09.9819.C13.o1.gs	Method	GENSCAN
Start	47	End	1555
GI	none	Score	.76
Exons	47..266, 1454..1555		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45908	Strand	+
Start	306	End	2180
Name	OJ990405_09.9819.C14.o1.gs	Method	GENSCAN
Start	306	End	2180
GI	none	Score	.81
Exons	306..315, 1957..2180		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o1.np	Method	AAT/NAP
Start	263	End	3732
GI	4234852	Score	2230
Exons	263..3522, 3556..3732		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14

Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	314	End	710
GI	none	Score	81
Exons	314..529, 537..710, 538..678		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	317	End	883
GI	none	Score	85
Exons	317..508, 537..683, 731..883		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	779	End	1063
GI	none	Score	80
Exons	779..1063, 789..929		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	869	End	1652
GI	none	Score	66
Exons	869..1075, 873..1067, 1008..1244, 1044..1235, 1054..1236, 1054..1272, 1279..1362, 1367..1633, 1368..1616, 1614..1652		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	1186	End	1633
GI	none	Score	87
Exons	1186..1272, 1358..1633, 1368..1616		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	1358	End	1780
GI	5509260	Score	107
Exons	1358..1633, 1419..1652, 1614..1772, 1748..1780		
GI Descrip.	-		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o1.gp	Method	AAT/GAP
Start	2526	End	3099
GI	uC-osf1cyp006a10b1	Score	842
Exons	2526..2777, 2885..3099		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	2719	End	3639
GI	none	Score	113
Exons	2719..2781, 3037..3315, 3061..3639, 3071..3517		

Seq. No.	22069	Seq. ID	OJ990405_09.9819.C14
Gene No.	45909	Strand	-
Start	263	End	3842
Name	OJ990405_09.9819.C14.o2.gp	Method	AAT/GAP
Start	3331	End	3842
GI	uC-osf1M202052c07b1	Score	995
Exons	3331..3842		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	22070	Seq. ID	OJ990405_09.9819.C15
Gene No.	45910	Strand	-
Start	493	End	1220
Name	OJ990405_09.9819.C15.o1.gs	Method	GENSCAN
Start	493	End	1220
GI	none	Score	.54
Exons	493..738, 1100..1220		

Seq. No.	22071	Seq. ID	OJ990405_09.9819.C16
Gene No.	45911	Strand	+
Start	505	End	1443
Name	OJ990405_09.9819.C16.o1.gs	Method	GENSCAN
Start	505	End	1443
GI	none	Score	.6
Exons	505..796, 1037..1140, 1297..1443		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45912	Strand	+
Start	615	End	2403
Name	OJ990405_09.9819.C17.o1.gs	Method	GENSCAN
Start	615	End	2403
GI	none	Score	.63
Exons	615..682, 1628..1838, 1878..1998, 2096..2403		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45913	Strand	+
Start	3994	End	4151
Name	OJ990405_09.9819.C17.o2.gs	Method	GENSCAN
Start	3994	End	4151
GI	none	Score	.65
Exons	3994..4065, 4107..4151		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45914	Strand	+
Start	6971	End	7842
Name	OJ990405_09.9819.C17.o3.gs	Method	GENSCAN
Start	6971	End	7842
GI	none	Score	.75
Exons	6971..7186, 7439..7592, 7814..7842		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45915	Strand	+
Start	9043	End	13596
Name	OJ990405_09.9819.C17.o4.gs	Method	GENSCAN
Start	9043	End	13596
GI	none	Score	.57
Exons	9043..9243, 9515..10245, 10824..11149, 11242..11426, 11519..11689, 12274..12474, 12789..13040, 13138..13596		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45915	Strand	+
Start	9043	End	13596
Name	OJ990405_09.9819.C17.o2.np	Method	AAT/NAP
Start	9383	End	13506
GI	6330235	Score	1767
Exons	9383..10051, 10127..10245, 10824..11136, 11238..11426, 11519..11680, 12265..12482, 12800..13124, 13220..13506		
GI Descrip.	(AB033003) KIAA1177 protein [Homo sapiens]		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45915	Strand	+
Start	9043	End	13596
Name	OJ990405_09.9819.C17.o1.gp	Method	AAT/GAP
Start	11065	End	11604
GI	4878395	Score	642
Exons	11065..11149, 11242..11426, 11519..11604		
GI Descrip.	1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45916	Strand	+
Start	24213	End	26611
Name	OJ990405_09.9819.C17.o6.gs	Method	GENSCAN
Start	24213	End	26611
GI	none	Score	.68
Exons	24213..24677, 25816..25990, 26150..26427, 26504..26611		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45916	Strand	+
Start	24213	End	26611
Name	OJ990405_09.9819.C17.o5.gp	Method	AAT/GAP
Start	25203	End	25566
GI	uC-osrocyp031c04b1	Score	597
Exons	25203..25566		
GI Descrip.	'1707032 2.0e-15 (U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8'		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45916	Strand	+
Start	24213	End	26611
Name	OJ990405_09.9819.C17.o6.gp	Method	AAT/GAP

Start	25941	End	26605
GI	35649_1.R1084	Score	610
Exons	25941..25990, 26150..26427, 26504..26605		
GI Descrip.	'4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45917	Strand	+
Start	35188	End	36360
Name	OJ990405_09.9819.C17.o6.np	Method	AAT/NAP
Start	35188	End	36360
GI	2979555	Score	170
Exons	35188..35276, 36029..36360		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45917	Strand	+
Start	35188	End	36360
Name	OJ990405_09.9819.C17.o10.gs	Method	GENSCAN
Start	35834	End	36352
GI	none	Score	.47
Exons	35834..36352		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45918	Strand	-
Start	13579	End	13953
Name	OJ990405_09.9819.C17.o2.gp	Method	AAT/GAP
Start	13579	End	13953
GI	uC-osflM202063e08a1	Score	619
Exons	13579..13953		
GI Descrip.	'4335739/gb|AAD17417| 3.0e-11 (AC006248) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45919	Strand	-
Start	14054	End	24617
Name	OJ990405_09.9819.C17.o3.gp	Method	AAT/GAP
Start	14054	End	14748
GI	3768640	Score	1073
Exons	14054..14508, 14590..14748		
GI Descrip.	4335739/gb|AAD17417| 3.0e-11 (AC006248) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45919	Strand	-
Start	14054	End	24617
Name	OJ990405_09.9819.C17.o3.np	Method	AAT/NAP
Start	14419	End	16750
GI	6562002	Score	644
Exons	14419..14508, 14590..14745, 15144..15323, 15735..15988, 16640..16750		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45919	Strand	-
Start	14054	End	24617
Name	OJ990405_09.9819.C17.o5.gs	Method	GENSCAN

Start	14563	End	23343
GI	none	Score	.88
Exons	14563..14745, 15144..15323, 15735..15993, 16094..16221, 18358..18433, 18671..18857, 19840..19863, 20342..20614, 22098..23343		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45919	Strand	-
Start	14054	End	24617
Name	OJ990405_09.9819.C17.o4.gp	Method	AAT/GAP
Start	16083	End	17213
GI	701288	Score	740
Exons	16083..16332, 16408..16509, 17112..17213		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45919	Strand	-
Start	14054	End	24617
Name	OJ990405_09.9819.C17.o4.np	Method	AAT/NAP
Start	21852	End	24617
GI	2623309	Score	354
Exons	21852..21918, 22103..23213, 24581..24617		
GI Descrip.	(AC002409) putative TGACG-sequence-specific bZIP DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45920	Strand	-
Start	27374	End	27997
Name	OJ990405_09.9819.C17.o7.gs	Method	GENSCAN
Start	27374	End	27997
GI	none	Score	.89
Exons	27374..27997		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45920	Strand	-
Start	27374	End	27997
Name	OJ990405_09.9819.C17.o5.np	Method	AAT/NAP
Start	27380	End	27979
GI	6694699	Score	381
Exons	27380..27979		
GI Descrip.	(AF210064) dirigent protein [Thuja plicata]		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	9995	End	11380
GI	none	Score	289
Exons	9995..10021, 10067..10108, 10070..10246, 10095..10259, 10810..10995, 10821..11147, 10821..11147, 10822..11148, 10930..11118, 11240..11314, 11241..11315, 11270..11380, 11301..11378, 11318..11380		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o5.tc	Method	TBLASTX:Cress
Start	10088	End	10976

GI	none	Score	195
Exons	10088..10246, 10822..10971, 10824..10976		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	11080	End	11635
GI	none	Score	79
Exons	11080..11148, 11091..11141, 11239..11382, 11239..11427, 11240..11431, 11243..11428, 11244..11465, 11506..11622, 11511..11624, 11511..11624, 11516..11635		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	11518	End	13696
GI	none	Score	82
Exons	11518..11580, 11519..11578, 11523..11582, 11555..11689, 11579..11689, 11586..11699, 12270..12470, 12271..12489, 12272..12469, 12273..12509, 12780..12929, 12787..12933, 12787..12924, 12788..12925, 12930..13040, 12932..13039, 12933..13040, 13135..13263, 13135..13260, 13136..13261, 13143..13262, 13284..13349, 13318..13341, 13403..13525, 13450..13536, 13504..13605, 13542..13598, 13636..13689, 13638..13655, 13670..13696		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	12268	End	12860
GI	none	Score	278
Exons	12268..12489, 12273..12512, 12780..12860, 12788..12856		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o3.tc	Method	TBLASTX:Cress
Start	12906	End	13262
GI	none	Score	190
Exons	12906..13040, 12907..13047, 12914..13039, 13135..13230, 13135..13224, 13227..13262, 13228..13260		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o6.tm	Method	TBLASTX:Maize
Start	14326	End	14716
GI	none	Score	154
Exons	14326..14508, 14327..14515, 14572..14715, 14585..14713, 14588..14716		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425

Name	OJ990405_09.9819.C17.o4.tc	Method	TBLASTX:Cress
Start	14356	End	15287
GI	none	Score	81
Exons	14356..14505, 14359..14508, 14572..14748, 15123..15287		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o4.ts	Method	TBLASTX:Soybean
Start	14392	End	15218
GI	none	Score	76
Exons	14392..14505, 14572..14724, 14572..14751, 15123..15218		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o9.tm	Method	TBLASTX:Maize
Start	15153	End	15813
GI	none	Score	75
Exons	15153..15326, 15156..15317, 15735..15812, 15736..15813		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	15219	End	16119
GI	none	Score	72
Exons	15219..15326, 15231..15326, 15728..15808, 15730..15807, 15735..15995, 15735..15995, 15736..16014, 16090..16119		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o8.tm	Method	TBLASTX:Maize
Start	15814	End	16163
GI	none	Score	215
Exons	15814..15996, 15819..15992, 16095..16163, 16096..16146		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o5.tm	Method	TBLASTX:Maize
Start	20154	End	20457
GI	none	Score	196
Exons	20154..20363, 20158..20337, 20160..20366, 20376..20456, 20382..20453, 20389..20457, 20392..20457		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	20463	End	22711
GI	none	Score	96
Exons	20463..20612, 20478..20615, 20494..20616, 22096..22188, 22097..22186, 22100..22189, 22102..22188, 22112..22162, 22189..22251, 22189..22269, 22190..22261, 22264..22683, 22266..22355, 22297..22623, 22316..22681, 22624..22710,		

22652..22711

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	24492	End	26397
GI	none	Score	186
Exons	24492..24617, 24494..24652, 25803..25976, 25813..25974, 25816..25989, 25823..25975, 26155..26397, 26159..26245, 26160..26378, 26296..26397		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o4.tm	Method	TBLASTX:Maize
Start	25794	End	26685
GI	none	Score	190
Exons	25794..25976, 25794..25988, 25813..25995, 25816..25995, 25871..25996, 26149..26430, 26154..26381, 26155..26469, 26279..26431, 26493..26645, 26500..26685, 26501..26587, 26502..26621		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	27371	End	30425
GI	none	Score	186
Exons	27371..27649, 27381..27650, 27701..27736, 27824..27871, 30141..30425, 30166..30351		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45921	Strand	-
Start	30138	End	30425
Name	OJ990405_09.9819.C17.o7.gp	Method	AAT/GAP
Start	30138	End	30396
GI	4969019	Score	470
Exons	30138..30396		
GI Descrip.	4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45922	Strand	
Start	35914	End	36358
Name	OJ990405_09.9819.C17.o7.tm	Method	TBLASTX:Maize
Start	35914	End	36346
GI	none	Score	109
Exons	35914..36009, 35915..35995, 36020..36109, 36031..36105, 36157..36204, 36158..36346		

Seq. No.	22072	Seq. ID	OJ990405_09.9819.C17
Gene No.	45922	Strand	
Start	35914	End	36358
Name	OJ990405_09.9819.C17.o5.ts	Method	TBLASTX:Soybean
Start	36053	End	36358
GI	none	Score	55

Exons	36053..36109, 36158..36358		
Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45923	Strand	+
Start	1	End	624
Name	OJ990405_09.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	606
GI	5487873	Score	221
Exons	1..606		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		
Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45923	Strand	+
Start	1	End	624
Name	OJ990405_09.9819.C18.o1.gs	Method	GENSCAN
Start	105	End	624
GI	none	Score	.99
Exons	105..624		
Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45924	Strand	+
Start	2485	End	2954
Name	OJ990405_09.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2922
GI	none	Score	58
Exons	1..48, 109..168, 190..276, 231..356, 289..366, 399..542, 400..600, 2764..2838, 2815..2922		
Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45924	Strand	+
Start	2485	End	2954
Name	OJ990405_09.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	1	End	2934
GI	none	Score	87
Exons	1..60, 6..278, 85..276, 2488..2619, 2520..2609, 2662..2712, 2763..2849, 2764..2850, 2815..2934, 2836..2898		
Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45924	Strand	+
Start	2485	End	2954
Name	OJ990405_09.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	108	End	597
GI	none	Score	61
Exons	108..155, 109..162, 202..276, 207..275, 289..366, 306..356, 397..597		
Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45924	Strand	+
Start	2485	End	2954
Name	OJ990405_09.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	336	End	600
GI	none	Score	372
Exons	336..596, 337..600, 520..600		
Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45924	Strand	+
Start	2485	End	2954

Name	OJ990405_09.9819.C18.o2.gs	Method	GENSCAN
Start	2485	End	2945
GI	none	Score	.62
Exons	2485..2945		

Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45924	Strand	+
Start	2485	End	2954
Name	OJ990405_09.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	2520	End	2849
GI	none	Score	104
Exons	2520..2711, 2521..2616, 2662..2712, 2763..2849, 2764..2832		

Seq. No.	22073	Seq. ID	OJ990405_09.9819.C18
Gene No.	45924	Strand	+
Start	2485	End	2954
Name	OJ990405_09.9819.C18.o3.np	Method	AAT/NAP
Start	2552	End	2954
GI	2979555	Score	127
Exons	2552..2954		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45925	Strand	+
Start	46	End	429
Name	OJ990405_09.9819.C19.o1.gs	Method	GENSCAN
Start	46	End	429
GI	none	Score	1
Exons	46..429		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45926	Strand	+
Start	1862	End	2929
Name	OJ990405_09.9819.C19.o2.gs	Method	GENSCAN
Start	1862	End	2929
GI	none	Score	.83
Exons	1862..2593, 2642..2929		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45926	Strand	+
Start	1862	End	2929
Name	OJ990405_09.9819.C19.o1.np	Method	AAT/NAP
Start	2054	End	2917
GI	5734715	Score	290
Exons	2054..2917		
GI Descrip.	(AC008075) Similar to gb|AF110333 PrMC3 protein from Pinus radiata and is a member of PF|00135 Carboxylesterases family. EST gb|N37841 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45927	Strand	-
Start	3625	End	4714
Name	OJ990405_09.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	120	End	2911
GI	none	Score	53
Exons	120..152, 121..171, 169..342, 198..344, 2641..2910, 2642..2911		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45927	Strand	-
Start	3625	End	4714
Name	OJ990405_09.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	1907	End	2583
GI	none	Score	135
Exons	1907..2056, 1924..2055, 2026..2121, 2042..2119, 2177..2230, 2179..2214, 2279..2365, 2344..2583, 2402..2539		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45927	Strand	-
Start	3625	End	4714
Name	OJ990405_09.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	1907	End	2238
GI	none	Score	292
Exons	1907..2119, 1910..2113, 1924..2127, 2177..2230, 2179..2238		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45927	Strand	-
Start	3625	End	4714
Name	OJ990405_09.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	1919	End	2617
GI	none	Score	104
Exons	1919..2056, 2063..2119, 2177..2230, 2276..2353, 2402..2518, 2588..2617		

Seq. No.	22074	Seq. ID	OJ990405_09.9819.C19
Gene No.	45927	Strand	-
Start	3625	End	4714
Name	OJ990405_09.9819.C19.o3.gs	Method	GENSCAN
Start	3625	End	4714
GI	none	Score	.65
Exons	3625..3734, 4166..4261, 4433..4551, 4696..4714		

Seq. No.	22075	Seq. ID	OJ990405_09.9819.C20
Gene No.	45928	Strand	+
Start	2980	End	3538
Name	OJ990405_09.9819.C20.o2.gs	Method	GENSCAN
Start	2980	End	3501
GI	none	Score	.65
Exons	2980..3240, 3389..3501		

Seq. No.	22075	Seq. ID	OJ990405_09.9819.C20
Gene No.	45928	Strand	+
Start	2980	End	3538
Name	OJ990405_09.9819.C20.o1.np	Method	AAT/NAP
Start	3035	End	3538
GI	5487873	Score	238
Exons	3035..3538		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	22075	Seq. ID	OJ990405_09.9819.C20
Gene No.	45928	Strand	+
Start	2980	End	3538
Name	OJ990405_09.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	3051	End	3358
GI	none	Score	172

Exons	3051..3221, 3052..3222, 3262..3357, 3263..3358		
Seq. No.	22075	Seq. ID	OJ990405_09.9819.C20
Gene No.	45928	Strand	+
Start	2980	End	3538
Name	OJ990405_09.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	3121	End	3538
GI	none	Score	142
Exons	3121..3222, 3126..3221, 3263..3451, 3265..3399, 3476..3538, 3499..3537		
Seq. No.	22075	Seq. ID	OJ990405_09.9819.C20
Gene No.	45928	Strand	+
Start	2980	End	3538
Name	OJ990405_09.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	3156	End	3538
GI	none	Score	175
Exons	3156..3185, 3263..3448, 3265..3399, 3496..3537, 3497..3538		
Seq. No.	22075	Seq. ID	OJ990405_09.9819.C20
Gene No.	45928	Strand	+
Start	2980	End	3538
Name	OJ990405_09.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	3157	End	3532
GI	none	Score	72
Exons	3157..3222, 3263..3448, 3265..3399, 3452..3532		
Seq. No.	22076	Seq. ID	OJ990405_09.9819.C21
Gene No.	45929	Strand	-
Start	561	End	1685
Name	OJ990405_09.9819.C21.o1.gs	Method	GENSCAN
Start	561	End	1685
GI	none	Score	.57
Exons	561..664, 1087..1126, 1626..1685		
Seq. No.	22077	Seq. ID	OJ990405_09.9819.C22
Gene No.	45930	Strand	-
Start	28	End	370
Name	OJ990405_09.9819.C22.o1.gs	Method	GENSCAN
Start	28	End	370
GI	none	Score	.99
Exons	28..370		
Seq. No.	22077	Seq. ID	OJ990405_09.9819.C22
Gene No.	45931	Strand	-
Start	1002	End	1214
Name	OJ990405_09.9819.C22.o2.gs	Method	GENSCAN
Start	1002	End	1214
GI	none	Score	.85
Exons	1002..1214		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23
Gene No.	45932	Strand	+
Start	305	End	2543
Name	OJ990405_09.9819.C23.o1.np	Method	AAT/NAP
Start	305	End	2378
GI	6967707	Score	293

Exons	305..434, 1270..1395, 1642..1793, 2259..2378		
GI Descrip.	(AL139074) putative acetyltransferase [Campylobacter jejuni]		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23
Gene No.	45932	Strand	+
Start	305	End	2543
Name	OJ990405_09.9819.C23.o1.gs	Method	GENSCAN
Start	311	End	2543
GI	none	Score	.85
Exons	311..434, 1270..1395, 1642..1793, 2259..2543		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23
Gene No.	45933	Strand	-
Start	3769	End	3988
Name	OJ990405_09.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	248	End	2555
GI	none	Score	250
Exons	248..436, 274..435, 294..437, 296..442, 1268..1399, 1269..1397, 1640..1795, 1641..1796, 1642..1812, 2251..2367, 2253..2555, 2259..2552, 2431..2553		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23
Gene No.	45933	Strand	-
Start	3769	End	3988
Name	OJ990405_09.9819.C23.o2.tw	Method	TBLASTX:Wheat
Start	248	End	1309
GI	none	Score	231
Exons	248..436, 274..435, 288..443, 290..442, 1267..1308, 1268..1309		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23
Gene No.	45933	Strand	-
Start	3769	End	3988
Name	OJ990405_09.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	268	End	2513
GI	none	Score	206
Exons	268..435, 269..436, 1256..1399, 1269..1397, 1272..1415, 1639..1794, 1640..1795, 1641..1796, 2258..2353, 2259..2513, 2412..2513		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23
Gene No.	45933	Strand	-
Start	3769	End	3988
Name	OJ990405_09.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	295	End	2534
GI	none	Score	194
Exons	295..435, 296..436, 296..448, 1268..1396, 1269..1397, 1640..1795, 1641..1796, 2258..2467, 2259..2534, 2409..2531		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23
Gene No.	45933	Strand	-
Start	3769	End	3988
Name	OJ990405_09.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	1638	End	2489
GI	none	Score	228
Exons	1638..1793, 1640..1804, 1641..1796, 2264..2353, 2265..2489		
Seq. No.	22078	Seq. ID	OJ990405_09.9819.C23

Gene No.	45933	Strand	-
Start	3769	End	3988
Name	OJ990405_09.9819.C23.o2.gs	Method	GENSCAN
Start	3769	End	3988
GI	none	Score	.49
Exons	3769..3988		

Seq. No.	22079	Seq. ID	OJ990405_09.9819.C24
Gene No.	45934	Strand	-
Start	1	End	5584
Name	OJ990405_09.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	3746
GI	2760844	Score	756
Exons	1..79, 215..349, 641..699, 773..889, 980..1160, 1654..1737, 1855..1923, 2223..2363, 2888..2980, 3197..3325, 3459..3746		
GI Descrip.	(AC003105) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22079	Seq. ID	OJ990405_09.9819.C24
Gene No.	45934	Strand	-
Start	1	End	5584
Name	OJ990405_09.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	212	End	3665
GI	none	Score	94
Exons	212..355, 213..350, 632..700, 633..701, 774..890, 775..891, 963..1064, 967..1026, 1651..1734, 1852..1923, 2173..2376, 2223..2375, 2891..2980, 3186..3323, 3194..3337, 3459..3665		

Seq. No.	22079	Seq. ID	OJ990405_09.9819.C24
Gene No.	45934	Strand	-
Start	1	End	5584
Name	OJ990405_09.9819.C24.o1.gs	Method	GENSCAN
Start	215	End	5584
GI	none	Score	.54
Exons	215..349, 773..1160, 1654..1737, 1855..1923, 2223..2363, 2888..2980, 3197..3325, 3459..3635, 4966..5088, 5255..5584		

Seq. No.	22079	Seq. ID	OJ990405_09.9819.C24
Gene No.	45934	Strand	-
Start	1	End	5584
Name	OJ990405_09.9819.C24.o2.tm	Method	TBLASTX:Maize
Start	771	End	2971
GI	none	Score	122
Exons	771..881, 772..885, 980..1183, 983..1162, 984..1163, 988..1170, 1645..1737, 1650..1739, 1655..1732, 1839..1916, 1844..1915, 1855..1923, 2221..2370, 2226..2363, 2875..2952, 2888..2971		

Seq. No.	22079	Seq. ID	OJ990405_09.9819.C24
Gene No.	45934	Strand	-
Start	1	End	5584
Name	OJ990405_09.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	3187	End	3736
GI	none	Score	142
Exons	3187..3330, 3194..3340, 3195..3326, 3196..3336, 3456..3722, 3457..3720, 3459..3731, 3530..3736		

Seq. No.	22080	Seq. ID	OJ990405_09.9819.C25
Gene No.	45935	Strand	-

Start	372	End	472
Name	OJ990405_09.9819.C25.o1.gs	Method	GENSCAN
Start	372	End	472
GI	none	Score	.62
Exons	372..472		

Seq. No.	22081	Seq. ID	OJ990405_09.9819.C26
Gene No.	45936	Strand	-
Start	1	End	1163
Name	OJ990405_09.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	548
GI	6006359	Score	50
Exons	1..36, 451..548		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	22081	Seq. ID	OJ990405_09.9819.C26
Gene No.	45936	Strand	-
Start	1	End	1163
Name	OJ990405_09.9819.C26.o1.gs	Method	GENSCAN
Start	447	End	1163
GI	none	Score	.56
Exons	447..548, 879..1007, 1089..1163		

Seq. No.	22082	Seq. ID	OJ990405_09.9819.C27
Gene No.	45937	Strand	+
Start	126	End	2015
Name	OJ990405_09.9819.C27.o1.gs	Method	GENSCAN
Start	126	End	2015
GI	none	Score	.78
Exons	126..301, 1938..2015		

Seq. No.	22082	Seq. ID	OJ990405_09.9819.C27
Gene No.	45938	Strand	+
Start	2028	End	2279
Name	OJ990405_09.9819.C27.o1.gp	Method	AAT/GAP
Start	2028	End	2279
GI	4107143	Score	316
Exons	2028..2279		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	22082	Seq. ID	OJ990405_09.9819.C27
Gene No.	45939	Strand	-
Start	2350	End	5098
Name	OJ990405_09.9819.C27.o2.gs	Method	GENSCAN
Start	2350	End	5098
GI	none	Score	.7
Exons	2350..2469, 2962..3060, 3156..3255, 4475..4526, 5006..5098		

Seq. No.	22083	Seq. ID	OJ990405_09.9819.C28
Gene No.	45940	Strand	+
Start	382	End	509
Name	OJ990405_09.9819.C28.o1.gs	Method	GENSCAN
Start	382	End	509
GI	none	Score	.42
Exons	382..509		

Seq. No.	22084	Seq. ID	OJ990405_09.9819.C30
Gene No.	45941	Strand	+
Start	72	End	2245
Name	OJ990405_09.9819.C30.o1.gs	Method	GENSCAN
Start	72	End	2245
GI	none	Score	.8
Exons	72..557, 938..1088, 1725..1897, 2138..2245		

Seq. No.	22084	Seq. ID	OJ990405_09.9819.C30
Gene No.	45941	Strand	+
Start	72	End	2245
Name	OJ990405_09.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	467	End	1093
GI	none	Score	131
Exons	467..562, 468..563, 935..1093, 936..1085, 941..1087		

Seq. No.	22085	Seq. ID	OJ990405_09.9819.C31
Gene No.	45942	Strand	+
Start	491	End	928
Name	OJ990405_09.9819.C31.o1.gs	Method	GENSCAN
Start	491	End	928
GI	none	Score	.72
Exons	491..559, 783..928		

Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45943	Strand	+
Start	284	End	735
Name	OJ990405_09.9819.C32.o1.gs	Method	GENSCAN
Start	284	End	735
GI	none	Score	.76
Exons	284..487, 517..735		

Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45944	Strand	+
Start	1282	End	1705
Name	OJ990405_09.9819.C32.o1.gp	Method	AAT/GAP
Start	1282	End	1705
GI	56595_1.R1084	Score	828
Exons	1282..1705		
GI Descrip.	'4314378/gb|AAD15588| 2.0e-21 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45945	Strand	+
Start	4489	End	5036
Name	OJ990405_09.9819.C32.o3.gs	Method	GENSCAN
Start	4489	End	5036
GI	none	Score	.63
Exons	4489..4585, 4618..4640, 4661..4843, 4939..5036		

Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45945	Strand	+
Start	4489	End	5036
Name	OJ990405_09.9819.C32.o3.gp	Method	AAT/GAP
Start	4662	End	5036
GI	11881_1.R1084	Score	447

Exons	4662..4843, 4939..5036		
GI Descrip.	'2791806 2.0e-51 (AF041433) bet3 [Mus musculus]'		
Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608
Name	OJ990405_09.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	3541
GI	6691210	Score	568
Exons	1..54, 809..918, 1363..2008, 2969..3189, 3292..3541		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		
Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608
Name	OJ990405_09.9819.C32.o1.tw	Method	TBLASTX:Wheat
Start	1291	End	1654
GI	none	Score	128
Exons	1291..1410, 1362..1550, 1373..1549, 1544..1654		
Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608
Name	OJ990405_09.9819.C32.o2.gs	Method	GENSCAN
Start	1352	End	3589
GI	none	Score	.53
Exons	1352..2008, 3017..3189, 3292..3589		
Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608
Name	OJ990405_09.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	1358	End	3454
GI	none	Score	80
Exons	1358..1564, 1538..1654, 1715..1984, 3140..3187, 3293..3364, 3294..3374, 3392..3454, 3393..3440		
Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608
Name	OJ990405_09.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	1364	End	1654
GI	none	Score	84
Exons	1364..1570, 1383..1565, 1538..1654		
Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608
Name	OJ990405_09.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	1368	End	3470
GI	none	Score	137
Exons	1368..1652, 1370..1654, 1715..1987, 3062..3187, 3078..3188, 3090..3188, 3287..3469, 3294..3374, 3408..3470		
Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608

Name	OJ990405_09.9819.C32.o2.ts	Method	TBLASTX:Soybean
Start	2975	End	3457
GI	none	Score	46
Exons	2975..3139, 3003..3122, 3140..3187, 3153..3179, 3284..3364, 3297..3365, 3363..3440, 3377..3457		

Seq. No.	22086	Seq. ID	OJ990405_09.9819.C32
Gene No.	45946	Strand	-
Start	1	End	3608
Name	OJ990405_09.9819.C32.o2.gp	Method	AAT/GAP
Start	3015	End	3608
GI	53758_1.R1084	Score	860
Exons	3015..3189, 3292..3608		
GI Descrip.	'4314378/gb|AAD15588| 9.0e-13 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	22087	Seq. ID	OJ990405_09.9819.C33
Gene No.	45947	Strand	+
Start	361	End	878
Name	OJ990405_09.9819.C33.o1.gs	Method	GENSCAN
Start	361	End	553
GI	none	Score	.81
Exons	361..553		

Seq. No.	22087	Seq. ID	OJ990405_09.9819.C33
Gene No.	45947	Strand	+
Start	361	End	878
Name	OJ990405_09.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	371	End	563
GI	none	Score	34
Exons	371..397, 408..485, 428..523, 428..544, 430..546, 445..552, 465..563		

Seq. No.	22087	Seq. ID	OJ990405_09.9819.C33
Gene No.	45947	Strand	+
Start	361	End	878
Name	OJ990405_09.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	434	End	563
GI	none	Score	65
Exons	434..538, 435..485, 445..552, 459..563		

Seq. No.	22087	Seq. ID	OJ990405_09.9819.C33
Gene No.	45947	Strand	+
Start	361	End	878
Name	OJ990405_09.9819.C33.o1.np	Method	AAT/NAP
Start	439	End	878
GI	5668814	Score	74
Exons	439..563, 842..878		
GI Descrip.	(AC007519) ESTs gb|H36253 and gb|AA04251 come from this gene. [Arabidopsis thaliana]		

Seq. No.	22088	Seq. ID	OJ990405_09.9819.C34
Gene No.	45948	Strand	+
Start	95	End	2149
Name	OJ990405_09.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	92	End	1909

GI	none	Score	115
Exons	92..247, 150..248, 1002..1109, 1005..1109, 1007..1144, 1009..1110, 1271..1489, 1279..1464, 1786..1896, 1792..1908, 1811..1909		

Seq. No.	22088	Seq. ID	OJ990405_09.9819.C34
Gene No.	45948	Strand	+
Start	95	End	2149
Name	OJ990405_09.9819.C34.o1.gs	Method	GENSCAN
Start	95	End	1908
GI	none	Score	.98
Exons	95..185, 1008..1107, 1280..1462, 1786..1908		

Seq. No.	22088	Seq. ID	OJ990405_09.9819.C34
Gene No.	45948	Strand	+
Start	95	End	2149
Name	OJ990405_09.9819.C34.o1.np	Method	AAT/NAP
Start	100	End	1902
GI	2791806	Score	372
Exons	100..247, 1008..1107, 1280..1462, 1786..1902		
GI Descrip.	(AF041433) bet3 [Mus musculus]		

Seq. No.	22088	Seq. ID	OJ990405_09.9819.C34
Gene No.	45948	Strand	+
Start	95	End	2149
Name	OJ990405_09.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	125	End	1914
GI	none	Score	121
Exons	125..247, 150..293, 1005..1109, 1009..1110, 1271..1489, 1279..1464, 1784..1912, 1786..1896, 1786..1914, 1790..1906		

Seq. No.	22088	Seq. ID	OJ990405_09.9819.C34
Gene No.	45948	Strand	+
Start	95	End	2149
Name	OJ990405_09.9819.C34.o1.gp	Method	AAT/GAP
Start	1008	End	1464
GI	11881_1.R1084	Score	507
Exons	1008..1107, 1280..1464		
GI Descrip.	'2791806 2.0e-51 (AF041433) bet3 [Mus musculus]'		

Seq. No.	22088	Seq. ID	OJ990405_09.9819.C34
Gene No.	45948	Strand	+
Start	95	End	2149
Name	OJ990405_09.9819.C34.o2.gp	Method	AAT/GAP
Start	1414	End	2149
GI	3760040	Score	754
Exons	1414..1462, 1786..2149		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45949	Strand	+
Start	1	End	3256
Name	OJ990405_09.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	3250
GI	1655930	Score	976
Exons	1..86, 471..1003, 1184..1496, 2451..3250		
GI Descrip.	(U66564) RUSH-1alpha [Oryctolagus cuniculus]		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45949	Strand	+
Start	1	End	3256
Name	OJ990405_09.9819.C35.o1.gs	Method	GENSCAN
Start	146	End	3256
GI	none	Score	.82
Exons	146..1003, 1184..1496, 2445..3256		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	389	End	3166
GI	none	Score	67
Exons	389..445, 728..958, 2780..2959, 2945..3166, 2965..3075		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o1.tc	Method	TBLASTX:Cress
Start	533	End	862
GI	none	Score	154
Exons	533..637, 535..672, 634..861, 635..862		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o4.tm	Method	TBLASTX:Maize
Start	629	End	967
GI	none	Score	54
Exons	629..703, 743..967		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o2.tm	Method	TBLASTX:Maize
Start	1235	End	2595
GI	none	Score	353
Exons	1235..1480, 1254..1475, 1333..1500, 2435..2593, 2440..2595, 2444..2593		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o3.tm	Method	TBLASTX:Maize
Start	2595	End	2865
GI	none	Score	71
Exons	2595..2699, 2596..2670, 2596..2709, 2597..2710, 2598..2708, 2645..2710, 2684..2863, 2702..2857, 2707..2865		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	2932	End	3250
GI	none	Score	409
Exons	2932..3078, 2933..3205, 3149..3250, 3185..3247		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o2.tc	Method	TBLASTX:Cress
Start	2945	End	3241
GI	none	Score	259
Exons	2945..3241, 2959..3081		

Seq. No.	22089	Seq. ID	OJ990405_09.9819.C35
Gene No.	45950	Strand	-
Start	4142	End	4363
Name	OJ990405_09.9819.C35.o2.gs	Method	GENSCAN
Start	4142	End	4363
GI	none	Score	.49
Exons	4142..4363		

Seq. No.	22090	Seq. ID	OJ990415_09.9819.C1
Gene No.	45951	Strand	+
Start	152	End	580
Name	OJ990415_09.9819.C1.o1.gp	Method	AAT/GAP
Start	152	End	568
GI	3760424	Score	795
Exons	152..568		

Seq. No.	22090	Seq. ID	OJ990415_09.9819.C1
Gene No.	45951	Strand	+
Start	152	End	580
Name	OJ990415_09.9819.C1.o1.gs	Method	GENSCAN
Start	424	End	580
GI	none	Score	.97
Exons	424..580		

Seq. No.	22091	Seq. ID	OJ990415_09.9819.C4
Gene No.	45952	Strand	+
Start	84	End	410
Name	OJ990415_09.9819.C4.o1.gp	Method	AAT/GAP
Start	84	End	410
GI	3760424	Score	603
Exons	84..410		

Seq. No.	22091	Seq. ID	OJ990415_09.9819.C4
Gene No.	45953	Strand	-
Start	113	End	709
Name	OJ990415_09.9819.C4.o1.gs	Method	GENSCAN
Start	113	End	709
GI	none	Score	.83
Exons	113..247, 620..709		

Seq. No.	22092	Seq. ID	OJ990415_09.9819.C6
Gene No.	45954	Strand	-
Start	2172	End	2396
Name	OJ990415_09.9819.C6.o1.gs	Method	GENSCAN
Start	2172	End	2396
GI	none	Score	.7
Exons	2172..2396		

Seq. No.	22093	Seq. ID	OJ990415_09.9819.C7
Gene No.	45955	Strand	+
Start	409	End	2049
Name	OJ990415_09.9819.C7.o1.gs	Method	GENSCAN
Start	409	End	2049
GI	none	Score	.44
Exons	409..570, 759..915, 1864..2049		

Seq. No.	22094	Seq. ID	OJ990415_09.9819.C8
Gene No.	45956	Strand	+
Start	963	End	1481
Name	OJ990415_09.9819.C8.o1.np	Method	AAT/NAP
Start	963	End	1481
GI	6907088	Score	487
Exons	963..1100, 1277..1481		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22094	Seq. ID	OJ990415_09.9819.C8
Gene No.	45957	Strand	-
Start	408	End	1007
Name	OJ990415_09.9819.C8.o1.gs	Method	GENSCAN
Start	408	End	1007
GI	none	Score	.89
Exons	408..481, 977..1007		

Seq. No.	22095	Seq. ID	OJ990415_09.9819.C9
Gene No.	45958	Strand	+
Start	229	End	2082
Name	OJ990415_09.9819.C9.o1.gs	Method	GENSCAN
Start	229	End	2082
GI	none	Score	.79
Exons	229..1179, 1548..1673, 1765..2082		

Seq. No.	22095	Seq. ID	OJ990415_09.9819.C9
Gene No.	45959	Strand	-
Start	4953	End	5402
Name	OJ990415_09.9819.C9.o2.gs	Method	GENSCAN
Start	4953	End	5402
GI	none	Score	.99
Exons	4953..5402		

Seq. No.	22095	Seq. ID	OJ990415_09.9819.C9
Gene No.	45960	Strand	-
Start	6037	End	6398
Name	OJ990415_09.9819.C9.o3.gs	Method	GENSCAN
Start	6037	End	6398
GI	none	Score	.84
Exons	6037..6230, 6269..6398		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45961	Strand	+
Start	568	End	2505
Name	OJ990415_09.9819.C13.o1.gs	Method	GENSCAN
Start	568	End	2505
GI	none	Score	.68
Exons	568..694, 2273..2401, 2471..2505		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45962	Strand	+
Start	3784	End	18311
Name	OJ990415_09.9819.C13.o2.gs	Method	GENSCAN
Start	3784	End	11161
GI	none	Score	.47
Exons	3784..3860, 4324..4514, 6015..6267, 6712..6791, 6848..6911, 9678..9705, 10424..10582, 10694..10845, 10954..11161		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45962	Strand	+
Start	3784	End	18311
Name	OJ990415_09.9819.C13.o1.np	Method	AAT/NAP
Start	6083	End	18311
GI	6552743	Score	348
Exons	6083..6267, 9492..9557, 9678..9817, 10066..10292, 10424..10582, 10694..10845, 10954..11126, 18259..18311		
GI Descrip.	(AC013482) T26F17.11 [Arabidopsis thaliana]		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45963	Strand	+
Start	21684	End	23046
Name	OJ990415_09.9819.C13.o4.gs	Method	GENSCAN
Start	21684	End	23046
GI	none	Score	.69
Exons	21684..21760, 21977..22109, 22243..22481, 22603..22774, 22852..23046		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45964	Strand	+
Start	23608	End	25966
Name	OJ990415_09.9819.C13.o5.gs	Method	GENSCAN
Start	23608	End	25725
GI	none	Score	.78
Exons	23608..23937, 24033..24618, 24755..24870, 24943..25110, 25203..25330, 25413..25512, 25621..25725		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45964	Strand	+
Start	23608	End	25966
Name	OJ990415_09.9819.C13.o2.np	Method	AAT/NAP
Start	23834	End	25722
GI	639722	Score	1973
Exons	23834..24618, 24755..24870, 24943..25110, 25203..25330, 25413..25512, 25621..25722		
GI Descrip.	(L27484) calcium-dependent protein kinase [Zea mays]		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45964	Strand	+
Start	23608	End	25966
Name	OJ990415_09.9819.C13.o1.gp	Method	AAT/GAP
Start	24956	End	25966
GI	31161_1.R1084	Score	1362
Exons	24956..25110, 25203..25330, 25413..25512, 25621..25966		
GI Descrip.	'639722 8.0e-68 (L27484) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45965	Strand	-
Start	13286	End	21167
Name	OJ990415_09.9819.C13.o3.gs	Method	GENSCAN
Start	13286	End	21167
GI	none	Score	.54
Exons	13286..13315, 14763..14792, 14908..15015, 15099..15184, 15591..15686, 15899..15986, 17213..17413, 17899..17961, 18041..18117, 18612..18672, 20286..20415, 21004..21167		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45966	Strand	-
Start	27428	End	27963
Name	OJ990415_09.9819.C13.o6.gs	Method	GENSCAN
Start	27428	End	27963
GI	none	Score	.56
Exons	27428..27841, 27898..27963		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45966	Strand	-
Start	27428	End	27963
Name	OJ990415_09.9819.C13.o2.gp	Method	AAT/GAP
Start	27544	End	27800
GI	2275895	Score	473
Exons	27544..27800		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o3.ts	Method	TBLASTX:Soybean
Start	10101	End	10735
GI	none	Score	55
Exons	10101..10172, 10221..10292, 10412..10579, 10435..10587, 10693..10734, 10694..10735		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	10424	End	10845
GI	none	Score	83
Exons	10424..10486, 10426..10494, 10432..10488, 10494..10571, 10495..10575, 10496..10525, 10502..10573, 10518..10574, 10661..10765, 10685..10843, 10693..10845, 10693..10845		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o6.tm	Method	TBLASTX:Maize
Start	12920	End	18630
GI	none	Score	67
Exons	12920..12994, 14002..14142, 14902..15015, 15090..15185, 15897..15983, 15898..15987, 17213..17290, 17214..17381, 17396..17437, 18183..18281, 18184..18288, 18224..18283, 18392..18496, 18411..18494, 18595..18630		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13

Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	14902	End	21116
GI	none	Score	62
Exons	14902..15033, 15051..15191, 15882..15986, 15898..15981, 17210..17302, 17213..17281, 17604..17681, 17755..17820, 17899..17961, 17899..17961, 18039..18095, 18183..18281, 18190..18276, 18392..18496, 18399..18494, 18610..18672, 19093..19140, 21015..21059, 21057..21116		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o5.tm	Method	TBLASTX:Maize
Start	17598	End	17964
GI	none	Score	75
Exons	17598..17687, 17599..17682, 17755..17820, 17759..17815, 17899..17964, 17900..17962		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o4.tm	Method	TBLASTX:Maize
Start	22235	End	22452
GI	none	Score	126
Exons	22235..22450, 22236..22445, 22242..22451, 22243..22452, 22243..22452		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o4.ts	Method	TBLASTX:Soybean
Start	22595	End	22783
GI	none	Score	202
Exons	22595..22783, 22595..22753, 22600..22776		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	23605	End	25115
GI	none	Score	50
Exons	23605..23721, 23806..23964, 23813..23968, 23972..24589, 23973..24620, 24126..24626, 24733..24873, 24754..24870, 24759..24872, 24945..25115, 24949..25113		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	23810	End	25671
GI	none	Score	189
Exons	23810..23974, 23812..23964, 23862..23966, 23970..24620, 24008..24616, 24754..24873, 24754..24867, 24936..24995, 24958..25134, 25059..25109, 25199..25318, 25201..25224, 25203..25331, 25241..25300, 25414..25452, 25621..25671		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	23812	End	25671
GI	none	Score	179
Exons	23812..23958, 23813..23965, 23970..24620, 24008..24616, 24754..24873, 24754..24867, 24936..24995, 24958..25110, 25203..25331, 25203..25325, 25414..25509, 25621..25671		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o2.tw	Method	TBLASTX:Wheat
Start	23985	End	24263
GI	none	Score	368
Exons	23985..24263, 24008..24262, 24138..24263		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	24267	End	24617
GI	none	Score	390
Exons	24267..24617, 24293..24604		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o3.tw	Method	TBLASTX:Wheat
Start	25021	End	25671
GI	none	Score	74
Exons	25021..25134, 25186..25341, 25203..25331, 25217..25348, 25231..25356, 25413..25475, 25618..25665, 25621..25671		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	25203	End	25668
GI	none	Score	217
Exons	25203..25331, 25206..25328, 25413..25514, 25414..25512, 25620..25667, 25621..25668		

Seq. No.	22096	Seq. ID	OJ990415_09.9819.C13
Gene No.	45967	Strand	-
Start	28135	End	28343
Name	OJ990415_09.9819.C13.o3.gp	Method	AAT/GAP
Start	28135	End	28343
GI	4714794	Score	383
Exons	28135..28343		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45968	Strand	+
Start	2009	End	4789
Name	OJ990415_09.9819.C14.o1.gs	Method	GENSCAN

Start	2009	End	4789
GI	none	Score	.5
Exons	2009..2113, 3950..4037, 4566..4789		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45969	Strand	-
Start	1	End	2091
Name	OJ990415_09.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	2091
GI	6630695	Score	452
Exons	1..188, 528..756, 1163..1238, 1324..1373, 1455..1517, 1596..1649, 1765..1867, 2000..2091		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45969	Strand	-
Start	1	End	2091
Name	OJ990415_09.9819.C14.o1.gp	Method	AAT/GAP
Start	551	End	752
GI	426600	Score	377
Exons	551..752		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45970	Strand	-
Start	4289	End	4705
Name	OJ990415_09.9819.C14.o2.gp	Method	AAT/GAP
Start	4289	End	4705
GI	3760424	Score	795
Exons	4289..4705		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45971	Strand	-
Start	7198	End	7704
Name	OJ990415_09.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	533	End	750
GI	none	Score	179
Exons	533..748, 553..750		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45971	Strand	-
Start	7198	End	7704
Name	OJ990415_09.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	1160	End	1518
GI	none	Score	79
Exons	1160..1240, 1161..1241, 1311..1382, 1324..1383, 1434..1511, 1459..1518		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45971	Strand	-
Start	7198	End	7704
Name	OJ990415_09.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	1763	End	7605
GI	none	Score	81
Exons	1763..1864, 1765..1866, 1769..1867, 1981..2124, 2021..2107, 2174..2260, 2541..2585, 4272..4394, 7510..7605		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45971	Strand	-
Start	7198	End	7704
Name	OJ990415_09.9819.C14.o2.gs	Method	GENSCAN
Start	7198	End	7704
GI	none	Score	.58
Exons	7198..7223, 7506..7704		

Seq. No.	22097	Seq. ID	OJ990415_09.9819.C14
Gene No.	45971	Strand	-
Start	7198	End	7704
Name	OJ990415_09.9819.C14.o3.np	Method	AAT/NAP
Start	7432	End	7694
GI	6498424	Score	83
Exons	7432..7694		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	22098	Seq. ID	OJ990415_09.9819.C15
Gene No.	45972	Strand	+
Start	849	End	2175
Name	OJ990415_09.9819.C15.o1.gs	Method	GENSCAN
Start	849	End	1717
GI	none	Score	.67
Exons	849..1104, 1205..1374, 1566..1717		

Seq. No.	22098	Seq. ID	OJ990415_09.9819.C15
Gene No.	45972	Strand	+
Start	849	End	2175
Name	OJ990415_09.9819.C15.o1.np	Method	AAT/NAP
Start	935	End	2175
GI	6598445	Score	480
Exons	935..1107, 1205..1374, 1458..1802, 2152..2175		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	22098	Seq. ID	OJ990415_09.9819.C15
Gene No.	45972	Strand	+
Start	849	End	2175
Name	OJ990415_09.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	1644	End	1804
GI	none	Score	206
Exons	1644..1802, 1697..1804		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45973	Strand	+
Start	1	End	4333
Name	OJ990415_09.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	3475
GI	6598445	Score	485
Exons	1..440, 787..982, 1657..1783, 2079..2221, 2336..2455, 2556..2615, 3287..3475		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45973	Strand	+
Start	1	End	4333
Name	OJ990415_09.9819.C16.o1.gs	Method	GENSCAN

Start	309	End	3499
GI	none	Score	.85
Exons	309..462, 552..662, 815..982, 1657..1783, 2079..2237, 2572..2615, 3287..3499		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45973	Strand	+
Start	1	End	4333
Name	OJ990415_09.9819.C16.o1.gp	Method	AAT/GAP
Start	2398	End	4333
GI	3859_1.R1084	Score	2183
Exons	2398..2455, 2556..2615, 3287..4333		
GI Descrip.	'3426048 6.0e-26 (AC005168) putative hydroxymethylglutaryl-CoA lyase precursor [Arabidopsis thaliana]'		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45974	Strand	+
Start	7028	End	7790
Name	OJ990415_09.9819.C16.o3.gs	Method	GENSCAN
Start	7028	End	7790
GI	none	Score	.64
Exons	7028..7030, 7224..7350, 7405..7567, 7643..7790		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45975	Strand	+
Start	9698	End	17284
Name	OJ990415_09.9819.C16.o4.gs	Method	GENSCAN
Start	9698	End	17284
GI	none	Score	.75
Exons	9698..10375, 10676..10731, 11743..11866, 11951..12061, 12184..12321, 12437..12505, 12752..12820, 13699..13752, 13831..13972, 14324..14506, 14873..15144, 17114..17284		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	297	End	662
GI	none	Score	160
Exons	297..461, 301..462, 549..662, 551..661		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	318	End	919
GI	none	Score	145
Exons	318..461, 319..462, 549..662, 551..673, 812..919		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o5.tm	Method	TBLASTX:Maize
Start	564	End	2170
GI	none	Score	144
Exons	564..662, 565..663, 565..663, 566..676, 566..676, 805..990, 812..1015, 812..973, 814..990, 1654..1749, 1656..1763,		

1658..1783, 2071..2169, 2072..2170

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o6.tm	Method	TBLASTX:Maize
Start	2219	End	3475
GI	none	Score	37
Exons	2219..2236, 2349..2459, 2351..2470, 2351..2455, 2409..2462, 2541..2615, 2544..2633, 3267..3458, 3279..3464, 3281..3475, 3284..3463		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o2.np	Method	AAT/NAP
Start	4066	End	10203
GI	6721541	Score	1023
Exons	4066..4317, 4436..4551, 4797..4933, 5029..5192, 5325..5405, 5728..5907, 9675..9802, 10041..10203		
GI Descrip.	(AP001073) ESTs C97134(C52296),C97133(C52296) correspond to a region of the predicted gene.; Similar to Putative hydroxymethylglutaryl-CoA lyase precursor. (AC005168) [Oryza sativa]		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o2.gs	Method	GENSCAN
Start	4084	End	6590
GI	none	Score	.99
Exons	4084..4317, 4436..4551, 4797..4933, 5029..5192, 5728..5907, 6170..6302, 6472..6590		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o3.tm	Method	TBLASTX:Maize
Start	4085	End	4285
GI	none	Score	243
Exons	4085..4276, 4095..4277, 4120..4284, 4121..4285		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	4120	End	4909
GI	none	Score	212
Exons	4120..4338, 4121..4321, 4260..4328, 4401..4535, 4430..4552, 4433..4552, 4437..4553, 4724..4909, 4792..4908		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	4126	End	5895
GI	none	Score	221

Exons	4126..4338, 4127..4315, 4138..4320, 4185..4331, 4433..4552, 4440..4553, 4459..4569, 4724..4933, 4771..4935, 4792..4932, 4815..4934, 5019..5114, 5023..5205, 5068..5193, 5325..5408, 5725..5895, 5732..5893		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	4433	End	5884
GI	none	Score	114
Exons	4433..4552, 4433..4552, 4440..4553, 4444..4554, 4724..4933, 4768..4935, 4792..4932, 5019..5114, 5023..5205, 5026..5184, 5325..5408, 5326..5406, 5725..5883, 5726..5884		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	5325	End	5910
GI	none	Score	247
Exons	5325..5408, 5684..5893, 5715..5891, 5723..5896, 5725..5910, 5734..5895		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45976	Strand	-
Start	4084	End	10203
Name	OJ990415_09.9819.C16.o8.tm	Method	TBLASTX:Maize
Start	9830	End	9970
GI	none	Score	187
Exons	9830..9964, 9850..9936, 9917..9970		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45977	Strand	
Start	11741	End	12321
Name	OJ990415_09.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	11741	End	12240
GI	none	Score	62
Exons	11741..11806, 11742..11798, 11892..12062, 11915..12061, 11928..12062, 11938..12063, 11938..12063, 11939..12064, 12182..12238, 12183..12239, 12184..12240		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45977	Strand	
Start	11741	End	12321
Name	OJ990415_09.9819.C16.o7.tm	Method	TBLASTX:Maize
Start	11965	End	12246
GI	none	Score	152
Exons	11965..12066, 11966..12064, 12182..12244, 12182..12244, 12183..12245, 12183..12245, 12184..12246		

Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45977	Strand	
Start	11741	End	12321
Name	OJ990415_09.9819.C16.o3.ts	Method	TBLASTX:Soybean
Start	12016	End	12321
GI	none	Score	73

Exons	12016..12066, 12017..12064, 12183..12320, 12184..12321		
Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45978	Strand	
Start	12247	End	12811
Name	OJ990415_09.9819.C16.o4.tm	Method	TBLASTX:Maize
Start	12247	End	12811
GI	none	Score	113
Exons	12247..12321, 12247..12312, 12249..12320, 12434..12556, 12440..12505, 12598..12645, 12602..12646, 12603..12644, 12738..12770, 12749..12811, 12749..12808, 12751..12810		
Seq. No.	22099	Seq. ID	OJ990415_09.9819.C16
Gene No.	45979	Strand	
Start	13560	End	13971
Name	OJ990415_09.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	13560	End	13971
GI	none	Score	104
Exons	13560..13616, 13562..13615, 13698..13751, 13699..13755, 13699..13752, 13828..13971, 13828..13872		
Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45980	Strand	+
Start	1	End	2729
Name	OJ990415_09.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	2622
GI	3377509	Score	1381
Exons	1..1070, 1342..1614, 1725..1810, 1911..2068, 2159..2235, 2559..2622		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		
Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45980	Strand	+
Start	1	End	2729
Name	OJ990415_09.9819.C17.o1.gs	Method	GENSCAN
Start	56	End	2729
GI	none	Score	.95
Exons	56..968, 1365..1614, 1725..1810, 1911..2068, 2559..2729		
Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45980	Strand	+
Start	1	End	2729
Name	OJ990415_09.9819.C17.o1.gp	Method	AAT/GAP
Start	1346	End	1762
GI	2310765	Score	476
Exons	1346..1614, 1725..1762		
GI Descrip.	3377509 2.0e-24 (AF056027) auxin transport protein REH1 [Oryza sativa]		
Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	25	End	186
GI	none	Score	224
Exons	25..186, 35..169		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	35	End	2655
GI	none	Score	212
Exons	35..169, 37..315, 227..316, 337..459, 338..502, 383..502, 623..769, 664..738, 832..894, 836..895, 1350..1424, 1379..1444, 1486..1629, 1487..1615, 1720..1827, 1722..1817, 1886..2074, 1909..2061, 2156..2236, 2157..2231, 2158..2235, 2542..2655, 2559..2630		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	35	End	183
GI	none	Score	215
Exons	35..169, 37..183		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	230	End	505
GI	none	Score	130
Exons	230..316, 244..315, 331..459, 338..502, 383..505		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	239	End	502
GI	none	Score	129
Exons	239..316, 241..315, 331..462, 338..502, 383..496		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	851	End	2625
GI	none	Score	75
Exons	851..895, 1379..1402, 1429..1629, 1454..1615, 1531..1617, 1693..1827, 1719..1814, 1720..1827, 1886..2074, 1886..1969, 1909..2067, 2071..2211, 2151..2225, 2154..2216, 2155..2232, 2156..2233, 2542..2625		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	1526	End	2622
GI	none	Score	135
Exons	1526..1615, 1532..1615, 1546..1617, 1560..1616, 1693..1827, 1719..1817, 1720..1827, 1886..2074, 1909..2064, 1911..2093, 2156..2233, 2158..2232, 2545..2622		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	1526	End	2212
GI	none	Score	87
Exons	1526..1615, 1526..1606, 1907..2074, 1909..2064, 2156..2212		

Seq. No.	22100	Seq. ID	OJ990415_09.9819.C17
Gene No.	45981	Strand	-
Start	4091	End	4180
Name	OJ990415_09.9819.C17.o2.gs	Method	GENSCAN
Start	4091	End	4180
GI	none	Score	.62
Exons	4091..4180		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45982	Strand	+
Start	1	End	3992
Name	OJ990415_09.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	2076
GI	4150963	Score	83
Exons	1..56, 1252..1364, 1779..1831, 1956..2076		
GI Descrip.	(Y18620) DsPTP1 protein [Arabidopsis thaliana]		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45982	Strand	+
Start	1	End	3992
Name	OJ990415_09.9819.C18.o1.gp	Method	AAT/GAP
Start	870	End	2188
GI	4714793	Score	1308
Exons	870..1364, 1779..1831, 1956..2020, 2100..2188		
GI Descrip.	6005956/ref|NP_009171.1|pYVH1| 2.0e-15 S. cerevisiae YVH1 protein-tyrosine phosphatase ortholog >gi_5764099_gb_AAD51134.1_AF119226_1 (AF119226) dual-specificity tyrosine phosphatase YVH1 [Homo sapiens]		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45982	Strand	+
Start	1	End	3992
Name	OJ990415_09.9819.C18.o1.gs	Method	GENSCAN
Start	946	End	2948
GI	none	Score	.93
Exons	946..1364, 1779..1831, 1956..2020, 2100..2178, 2597..2896, 2929..2948		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45982	Strand	+
Start	1	End	3992
Name	OJ990415_09.9819.C18.o2.np	Method	AAT/NAP
Start	977	End	3992
GI	2832664	Score	229
Exons	977..1003, 2710..2896, 3143..3245, 3897..3992		
GI Descrip.	(AL021710) pollen-specific protein - like [Arabidopsis thaliana]		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45982	Strand	+

Start	1	End	3992
Name	OJ990415_09.9819.C18.o2.gp	Method	AAT/GAP
Start	3395	End	3603
GI	4714794	Score	383
Exons	3395..3603		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45983	Strand	-
Start	3352	End	3888
Name	OJ990415_09.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	906	End	1981
GI	none	Score	76
Exons	906..980, 925..987, 1035..1364, 1042..1362, 1280..1369, 1281..1364, 1777..1830, 1780..1830, 1782..1832, 1949..1981		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45983	Strand	-
Start	3352	End	3888
Name	OJ990415_09.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	946	End	3288
GI	none	Score	40
Exons	946..987, 1038..1112, 1042..1113, 1165..1362, 1225..1347, 1230..1364, 1777..1830, 1936..2034, 1949..2023, 2093..2176, 2097..2171, 2707..2826, 2716..2805, 2718..2864, 2839..2889, 3102..3257, 3142..3288, 3151..3273		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45983	Strand	-
Start	3352	End	3888
Name	OJ990415_09.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	2637	End	3231
GI	none	Score	37
Exons	2637..2660, 2638..2676, 2671..2895, 2676..2894, 2711..2896, 3140..3229, 3140..3229, 3141..3230, 3142..3231		

Seq. No.	22101	Seq. ID	OJ990415_09.9819.C18
Gene No.	45983	Strand	-
Start	3352	End	3888
Name	OJ990415_09.9819.C18.o2.gs	Method	GENSCAN
Start	3352	End	3888
GI	none	Score	77
Exons	3352..3449, 3789..3888		

Seq. No.	22102	Seq. ID	OJ990415_09.9819.C19
Gene No.	45984	Strand	+
Start	1	End	838
Name	OJ990415_09.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	838
GI	6630695	Score	196
Exons	1..113, 204..253, 333..408, 599..838		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22102	Seq. ID	OJ990415_09.9819.C19
Gene No.	45984	Strand	+
Start	1	End	838

Name	OJ990415_09.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	50	End	414
GI	none	Score	94
Exons	50..112, 51..113, 192..257, 197..253, 325..414, 330..413		

Seq. No.	22103	Seq. ID	OJ990415_09.9819.C20
Gene No.	45985	Strand	-
Start	219	End	595
Name	OJ990415_09.9819.C20.o1.gs	Method	GENSCAN
Start	219	End	595
GI	none	Score	.47
Exons	219..335, 406..525, 593..595		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45986	Strand	+
Start	101	End	327
Name	OJ990415_09.9819.C21.o1.gs	Method	GENSCAN
Start	101	End	327
GI	none	Score	.91
Exons	101..327		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45987	Strand	+
Start	15763	End	24328
Name	OJ990415_09.9819.C21.o5.np	Method	AAT/NAP
Start	15760	End	24328
GI	6598445	Score	1230
Exons	15760..15969, 16352..16519, 16872..17008, 17087..17198, 17269..17438, 17484..17589, 18381..18561, 20087..20198, 22203..22262, 22608..22726, 22831..23226, 23303..23467, 23558..23614, 24205..24328		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45987	Strand	+
Start	15763	End	24328
Name	OJ990415_09.9819.C21.o3.gs	Method	GENSCAN
Start	15763	End	23467
GI	none	Score	.77
Exons	15763..15945, 16352..16519, 16613..16702, 16872..17008, 17087..17177, 17319..17401, 17483..17589, 18381..18533, 19920..19998, 20090..20198, 20386..20472, 22203..22262, 22608..22726, 22831..23206, 23283..23467		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45988	Strand	-
Start	682	End	15352
Name	OJ990415_09.9819.C21.o2.gs	Method	GENSCAN
Start	682	End	15278
GI	none	Score	.58
Exons	682..927, 1193..1304, 1664..1745, 2705..2808, 2993..3129, 3515..3667, 4328..4355, 4445..4554, 5248..5379, 5758..5878, 6357..6476, 6481..6524, 6592..6870, 9219..9302, 9665..9862, 9971..10189, 10476..10661, 11333..11516, 11602..11711, 13854..13977, 15172..15278		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21

Gene No.	45988	Strand	-
Start	682	End	15352
Name	OJ990415_09.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	3513	End	15290
GI	none	Score	81
Exons	3513..3542, 3581..3673, 4177..4341, 4277..4357, 4433..4465, 4444..4572, 4497..4550, 5758..5880, 5759..5872, 6371..6478, 10524..10667, 10532..10669, 10546..10677, 11333..11524, 11338..11520, 11598..11714, 11599..11706, 12501..12572, 12510..12572, 12512..12580, 12515..12634, 13835..13966, 13846..13974, 13854..13976, 15160..15243, 15171..15233, 15234..15290, 15247..15285		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45988	Strand	-
Start	682	End	15352
Name	OJ990415_09.9819.C21.o3.np	Method	AAT/NAP
Start	3550	End	6475
GI	5262221	Score	272
Exons	3550..3661, 4166..4310, 4442..4554, 5248..5321, 5754..5878, 6357..6475		
GI Descrip.	(AL080254) putative protein [Arabidopsis thaliana]		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45988	Strand	-
Start	682	End	15352
Name	OJ990415_09.9819.C21.o1.np	Method	AAT/NAP
Start	3572	End	5906
GI	3850583	Score	292
Exons	3572..3667, 4172..4355, 4445..4558, 5225..5357, 5754..5906		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb|X63468 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45988	Strand	-
Start	682	End	15352
Name	OJ990415_09.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	3584	End	12633
GI	none	Score	75
Exons	3584..3673, 4170..4256, 4171..4293, 4277..4357, 4444..4572, 10473..10541, 10474..10587, 10569..10667, 10578..10667, 11333..11506, 11333..11518, 11598..11714, 11610..11714, 11638..11715, 12510..12572, 12517..12570, 12562..12633		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45988	Strand	-
Start	682	End	15352
Name	OJ990415_09.9819.C21.o2.np	Method	AAT/NAP
Start	4157	End	5968
GI	5738379	Score	216
Exons	4157..4355, 4445..4554, 5248..5357, 5754..5968		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	22104	Seq. ID	OJ990415_09.9819.C21
Gene No.	45988	Strand	-
Start	682	End	15352

Name	OJ990415_09.9819.C21.o4.np	Method	AAT/NAP
Start	9186	End	15352
GI	3850583	Score	607
Exons	9186..9248, 9614..9862, 9917..10189, 10476..10658, 11330..11516, 11602..11716, 12491..12638, 13854..13974, 15172..15352		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb|X63468 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243
Name	OJ990415_09.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	4243
GI	6598445	Score	1998
Exons	1..375, 1032..1199, 1306..1599, 1998..2174, 2310..2592, 2809..3095, 3205..3540, 3706..3837, 4151..4243		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243
Name	OJ990415_09.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	217	End	1202
GI	none	Score	206
Exons	217..375, 270..377, 1029..1196, 1031..1201, 1032..1202		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243
Name	OJ990415_09.9819.C22.o1.gs	Method	GENSCAN
Start	223	End	4059
GI	none	Score	.91
Exons	223..375, 1032..1199, 1306..1599, 1998..2174, 2310..2573, 2710..2808, 2911..3095, 3205..3540, 3706..3859, 3949..4059		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243
Name	OJ990415_09.9819.C22.o3.ts	Method	TBLASTX:Soybean
Start	2040	End	2465
GI	none	Score	35
Exons	2040..2096, 2133..2177, 2301..2465, 2309..2464		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243
Name	OJ990415_09.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	2919	End	4036
GI	none	Score	250
Exons	2919..3095, 2920..3084, 2923..3096, 3199..3321, 3202..3540, 3203..3544, 3691..3768, 3698..3766, 3703..3783, 3705..3782, 3769..3858, 3770..3859, 3946..4035, 3947..4036, 3948..4034		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243

Name	OJ990415_09.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	3072	End	3544
GI	none	Score	50
Exons	3072..3095, 3194..3532, 3203..3544, 3204..3539		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243
Name	OJ990415_09.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	3364	End	4059
GI	none	Score	161
Exons	3364..3540, 3365..3544, 3694..3858, 3698..3859, 3946..4059, 3948..4058		

Seq. No.	22105	Seq. ID	OJ990415_09.9819.C22
Gene No.	45989	Strand	+
Start	1	End	4243
Name	OJ990415_09.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	3715	End	4070
GI	none	Score	145
Exons	3715..3858, 3716..3859, 3946..4059, 3948..4070		

Seq. No.	22106	Seq. ID	OJ990415_09.9819.C23
Gene No.	45990	Strand	+
Start	233	End	546
Name	OJ990415_09.9819.C23.o1.gs	Method	GENSCAN
Start	233	End	546
GI	none	Score	.41
Exons	233..314, 515..546		

Seq. No.	22107	Seq. ID	OJ990415_09.9819.C24
Gene No.	45991	Strand	-
Start	98	End	322
Name	OJ990415_09.9819.C24.o1.gs	Method	GENSCAN
Start	98	End	322
GI	none	Score	.52
Exons	98..322		

Seq. No.	22108	Seq. ID	OJ990415_09.9819.C25
Gene No.	45992	Strand	-
Start	146	End	628
Name	OJ990415_09.9819.C25.o1.gs	Method	GENSCAN
Start	146	End	628
GI	none	Score	.67
Exons	146..362, 496..628		

Seq. No.	22108	Seq. ID	OJ990415_09.9819.C25
Gene No.	45992	Strand	-
Start	146	End	628
Name	OJ990415_09.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	153	End	369
GI	none	Score	159
Exons	153..362, 153..362, 154..363, 160..369		

Seq. No.	22108	Seq. ID	OJ990415_09.9819.C25
Gene No.	45992	Strand	-
Start	146	End	628

Name	OJ990415_09.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	255	End	607
GI	none	Score	92
Exons	255..344, 256..348, 494..607, 496..606		

Seq. No.	22109	Seq. ID	OJ990415_09.9819.C26
Gene No.	45993	Strand	+
Start	1	End	851
Name	OJ990415_09.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	851
GI	4929629	Score	85
Exons	1..291, 803..851		
GI Descrip.	(AF151838) CGI-80 protein [Homo sapiens]		

Seq. No.	22109	Seq. ID	OJ990415_09.9819.C26
Gene No.	45993	Strand	+
Start	1	End	851
Name	OJ990415_09.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	108	End	296
GI	none	Score	202
Exons	108..296, 108..266, 113..289		

Seq. No.	22109	Seq. ID	OJ990415_09.9819.C26
Gene No.	45993	Strand	+
Start	1	End	851
Name	OJ990415_09.9819.C26.o1.gs	Method	GENSCAN
Start	116	End	559
GI	none	Score	.75
Exons	116..287, 365..559		

Seq. No.	22110	Seq. ID	OJ990415_09.9819.C27
Gene No.	45994	Strand	+
Start	127	End	804
Name	OJ990415_09.9819.C27.o1.gs	Method	GENSCAN
Start	127	End	804
GI	none	Score	.97
Exons	127..305, 599..804		

Seq. No.	22111	Seq. ID	OJ990605_40.9919.C1
Gene No.	45995	Strand	-
Start	1	End	1370
Name	OJ990605_40.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	1370
GI	3056594	Score	290
Exons	1..239, 267..1370		
GI Descrip.	(AC004255) T1F9.15 [Arabidopsis thaliana]		

Seq. No.	22111	Seq. ID	OJ990605_40.9919.C1
Gene No.	45995	Strand	-
Start	1	End	1370
Name	OJ990605_40.9919.C1.o1.gs	Method	GENSCAN
Start	147	End	1339
GI	none	Score	.42
Exons	147..929, 982..1061, 1148..1339		

Seq. No.	22111	Seq. ID	OJ990605_40.9919.C1
Gene No.	45995	Strand	-

Start	1	End	1370
Name	OJ990605_40.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	194	End	414
GI	none	Score	59
Exons	194..268, 209..253, 244..399,	255..398, 257..412, 271..414	

Seq. No.	22111	Seq. ID	OJ990605_40.9919.C1
Gene No.	45995	Strand	-
Start	1	End	1370
Name	OJ990605_40.9919.C1.o2.np	Method	AAT/NAP
Start	221	End	1285
GI	6651300	Score	306
Exons	221..1285		
GI Descrip.	(AF161333) S-locus related 1 [Raphanus raphanistrum subsp. raphanistrum]		

Seq. No.	22111	Seq. ID	OJ990605_40.9919.C1
Gene No.	45995	Strand	-
Start	1	End	1370
Name	OJ990605_40.9919.C1.o2.tm	Method	TBLASTX:Maize
Start	809	End	1190
GI	none	Score	106
Exons	809..919, 951..974, 972..1013, 1057..1185, 1058..1189, 1059..1190		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45996	Strand	+
Start	2340	End	2810
Name	OJ990605_40.9919.C2.o1.gp	Method	AAT/GAP
Start	2340	End	2810
GI	LIB3432-020-P1-K1-H1	Score	889
Exons	2340..2810		
GI Descrip.	'2735017 1.0e-40 (U82481) KI domain interacting kinase 1 [Zea mays]'		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-
Start	356	End	7295
Name	OJ990605_40.9919.C2.o1.gs	Method	GENSCAN
Start	356	End	4842
GI	none	Score	.84
Exons	356..674, 706..840, 1814..1899, 2009..2159, 2293..2383, 2635..2878, 2949..3127, 3594..4842		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-
Start	356	End	7295
Name	OJ990605_40.9919.C2.o1.np	Method	AAT/NAP
Start	1600	End	7295
GI	6686398	Score	1872
Exons	1600..1899, 2009..2159, 2293..2530, 2635..2845, 2949..3127, 3293..3434, 3582..4783, 5569..5873, 5958..6108, 6213..6450, 6545..6755, 6836..6972, 7262..7295		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-

Start	356	End	7295
Name	OJ990605_40.9919.C2.o2.ts	Method	TBLASTX:Soybean
Start	1685	End	5768
GI	none	Score	71
Exons	1685..1801, 1687..1917, 5653..5766, 5658..5768		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-
Start	356	End	7295
Name	OJ990605_40.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	1687	End	6919
GI	none	Score	85
Exons	1687..1914, 2051..2155, 2052..2156, 2293..2493, 2298..2465, 2316..2510, 2341..2511, 2635..2790, 2636..2791, 2636..2848, 2706..2846, 2937..3029, 5661..5885, 5736..5837, 5980..6105, 5991..6104, 6016..6105, 6216..6431, 6233..6460, 6531..6677, 6539..6670, 6546..6764, 6616..6699, 6836..6919		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-
Start	356	End	7295
Name	OJ990605_40.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	1696	End	6940
GI	none	Score	66
Exons	1696..1749, 1733..1825, 1735..1929, 1856..1900, 1997..2158, 2019..2159, 2059..2160, 2271..2513, 2316..2513, 2344..2514, 2607..2846, 2636..2848, 2636..2848, 2949..3059, 5643..5702, 5670..5699, 5698..5778, 5712..5885, 5821..5886, 6001..6108, 6012..6107, 6026..6109, 6213..6431, 6233..6460, 6546..6764, 6601..6699, 6836..6940		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-
Start	356	End	7295
Name	OJ990605_40.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	2048	End	6916
GI	none	Score	64
Exons	2048..2161, 2064..2162, 2316..2522, 2328..2507, 2341..2523, 2636..2848, 2637..2846, 2949..3020, 5769..5873, 5964..6110, 6013..6144, 6230..6442, 6249..6440, 6546..6764, 6836..6916		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-
Start	356	End	7295
Name	OJ990605_40.9919.C2.o2.tw	Method	TBLASTX:Wheat
Start	2048	End	6335
GI	none	Score	110
Exons	2048..2158, 2052..2159, 2295..2414, 2296..2415, 2316..2414, 5832..5873, 5964..6107, 6001..6108, 6215..6334, 6216..6335, 6233..6334		

Seq. No.	22112	Seq. ID	OJ990605_40.9919.C2
Gene No.	45997	Strand	-
Start	356	End	7295
Name	OJ990605_40.9919.C2.o1.tw	Method	TBLASTX:Wheat
Start	2416	End	6758
GI	none	Score	69

Exons 2416..2547, 2416..2505, 2418..2513, 2636..2848, 2640..2846, 6336..6500, 6338..6460, 6546..6758, 6598..6702

Seq. No. 22112 Seq. ID OJ990605_40.9919.C2
Gene No. 45997 Strand -
Start 356 End 7295
Name OJ990605_40.9919.C2.o3.tm Method TBLASTX:Maize
Start 3643 End 3871
GI none Score 58
Exons 3643..3696, 3653..3694, 3685..3846, 3698..3871, 3699..3830, 3758..3841

Seq. No. 22112 Seq. ID OJ990605_40.9919.C2
Gene No. 45997 Strand -
Start 356 End 7295
Name OJ990605_40.9919.C2.o2.tc Method TBLASTX:Cress
Start 3913 End 4752
GI none Score 75
Exons 3913..3939, 3964..4002, 4015..4104, 4234..4353, 4393..4752, 4394..4528

Seq. No. 22112 Seq. ID OJ990605_40.9919.C2
Gene No. 45997 Strand -
Start 356 End 7295
Name OJ990605_40.9919.C2.o3.ts Method TBLASTX:Soybean
Start 4310 End 4689
GI none Score 84
Exons 4310..4438, 4315..4440, 4459..4524, 4510..4689

Seq. No. 22112 Seq. ID OJ990605_40.9919.C2
Gene No. 45997 Strand -
Start 356 End 7295
Name OJ990605_40.9919.C2.o2.tm Method TBLASTX:Maize
Start 4311 End 4794
GI none Score 35
Exons 4311..4355, 4369..4497, 4406..4486, 4411..4494, 4413..4520, 4490..4675, 4504..4689, 4511..4675, 4539..4679, 4681..4794, 4699..4791

Seq. No. 22112 Seq. ID OJ990605_40.9919.C2
Gene No. 45997 Strand -
Start 356 End 7295
Name OJ990605_40.9919.C2.o2.gs Method GENSCAN
Start 5571 End 6355
GI none Score .65
Exons 5571..5873, 5958..6108, 6213..6355

Seq. No. 22113 Seq. ID OJ990605_40.9919.C3
Gene No. 45998 Strand +
Start 416 End 1298
Name OJ990605_40.9919.C3.o1.gs Method GENSCAN
Start 416 End 1298
GI none Score .8
Exons 416..551, 688..814, 849..1298

Seq. No. 22113 Seq. ID OJ990605_40.9919.C3
Gene No. 45998 Strand +

Start	416	End	1298
Name	OJ990605_40.9919.C3.o1.np	Method	AAT/NAP
Start	788	End	1298
GI	2347189	Score	152
Exons	788..1298		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22113	Seq. ID	OJ990605_40.9919.C3
Gene No.	45999	Strand	+
Start	2900	End	3478
Name	OJ990605_40.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	861	End	1067
GI	none	Score	120
Exons	861..956, 861..944, 869..955, 957..1067, 972..1022, 980..1054		

Seq. No.	22113	Seq. ID	OJ990605_40.9919.C3
Gene No.	45999	Strand	+
Start	2900	End	3478
Name	OJ990605_40.9919.C3.o1.gp	Method	AAT/GAP
Start	2900	End	3145
GI	17023_1.R1084	Score	409
Exons	2900..3145		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	22113	Seq. ID	OJ990605_40.9919.C3
Gene No.	45999	Strand	+
Start	2900	End	3478
Name	OJ990605_40.9919.C3.o2.np	Method	AAT/NAP
Start	2959	End	3478
GI	2239260	Score	85
Exons	2959..3145, 3440..3478		
GI Descrip.	(Y13734) cinnamoyl CoA reductase [Zea mays]		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46000	Strand	+
Start	532	End	7562
Name	OJ990605_40.9919.C4.o1.np	Method	AAT/NAP
Start	532	End	1481
GI	6689826	Score	239
Exons	532..692, 994..1228, 1328..1481		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46000	Strand	+
Start	532	End	7562
Name	OJ990605_40.9919.C4.o1.gs	Method	GENSCAN
Start	596	End	6308
GI	none	Score	.83
Exons	596..692, 994..1231, 1328..1441, 2123..2247, 4215..4400, 4842..5008, 5185..5388, 5517..5676, 5833..6046, 6161..6308		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46000	Strand	+
Start	532	End	7562
Name	OJ990605_40.9919.C4.o2.np	Method	AAT/NAP
Start	4283	End	7562

GI	5732928	Score	430
Exons	4283..4400, 4842..5008, 5185..5388, 5517..5688, 5863..6036, 6154..6274, 7521..7562		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46000	Strand	+
Start	532	End	7562
Name	OJ990605_40.9919.C4.o1.gp	Method	AAT/GAP
Start	5939	End	6297
GI	2797550	Score	444
Exons	5939..6046, 6161..6297		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46001	Strand	-
Start	7144	End	7451
Name	OJ990605_40.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	1026	End	6239
GI	none	Score	80
Exons	1026..1091, 1140..1229, 1329..1406, 5874..6047, 5876..6043, 6162..6239, 6164..6238		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46001	Strand	-
Start	7144	End	7451
Name	OJ990605_40.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	1184	End	6302
GI	none	Score	56
Exons	1184..1231, 1185..1229, 1187..1231, 1201..1236, 1326..1463, 1342..1461, 1346..1468, 1347..1469, 6177..6290, 6179..6301, 6180..6302		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46001	Strand	-
Start	7144	End	7451
Name	OJ990605_40.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	4294	End	5262
GI	none	Score	165
Exons	4294..4407, 4295..4408, 4295..4408, 4820..5008, 4825..5010, 4841..5008, 4842..5009, 5182..5262, 5187..5261		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46001	Strand	-
Start	7144	End	7451
Name	OJ990605_40.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	4312	End	5300
GI	none	Score	126
Exons	4312..4404, 4313..4405, 4841..5005, 4841..4990, 5151..5189, 5182..5295, 5182..5295, 5193..5300		

Seq. No.	22114	Seq. ID	OJ990605_40.9919.C4
Gene No.	46001	Strand	-
Start	7144	End	7451
Name	OJ990605_40.9919.C4.o2.gs	Method	GENSCAN
Start	7144	End	7451
GI	none	Score	.83

Exons	7144..7205, 7238..7451		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46002	Strand	+
Start	1	End	142
Name	OJ990605_40.9919.C5.o1.np	Method	AAT/NAP
Start	1	End	142
GI	5042454	Score	72
Exons	1..142		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46003	Strand	+
Start	195	End	6529
Name	OJ990605_40.9919.C5.o1.gs	Method	GENSCAN
Start	195	End	6529
GI	none	Score	.58
Exons	195..299, 356..2722, 2801..2983, 3002..6073, 6083..6529		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46003	Strand	+
Start	195	End	6529
Name	OJ990605_40.9919.C5.o2.np	Method	AAT/NAP
Start	879	End	6526
GI	6498441	Score	6905
Exons	879..1943, 2274..2737, 2801..3174, 3358..3492, 3667..4093, 4286..4582, 4754..6151, 6245..6526		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46004	Strand	+
Start	14779	End	16356
Name	OJ990605_40.9919.C5.o3.gs	Method	GENSCAN
Start	14779	End	16356
GI	none	Score	.77
Exons	14779..14835, 15089..15263, 16241..16356		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46005	Strand	+
Start	18466	End	27146
Name	OJ990605_40.9919.C5.o4.gs	Method	GENSCAN
Start	18466	End	27126
GI	none	Score	.73
Exons	18466..18586, 19763..19929, 20114..20314, 21017..21176, 21274..21487, 21705..21828, 22005..22195, 23659..23750, 23872..24351, 25887..26426, 26432..26738, 26808..27126		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46005	Strand	+
Start	18466	End	27146
Name	OJ990605_40.9919.C5.o2.gp	Method	AAT/GAP
Start	23907	End	24040
GI	uC-osf1M202039g09b1	Score	176
Exons	23907..24040		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46005	Strand	+
Start	18466	End	27146
Name	OJ990605_40.9919.C5.o4.np	Method	AAT/NAP
Start	23971	End	27146
GI	3152576	Score	614
Exons	23971..24351, 25887..26744, 26808..27146		
GI Descrip.	(AC002986) Similar to liver-specific transport protein gb|L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46005	Strand	+
Start	18466	End	27146
Name	OJ990605_40.9919.C5.o3.gp	Method	AAT/GAP
Start	26362	End	26682
GI	568937	Score	628
Exons	26362..26682		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46006	Strand	+
Start	28085	End	30672
Name	OJ990605_40.9919.C5.o5.gs	Method	GENSCAN
Start	28085	End	30672
GI	none	Score	.69
Exons	28085..28157, 28486..28730, 30436..30466, 30590..30672		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46007	Strand	+
Start	32193	End	33823
Name	OJ990605_40.9919.C5.o5.gp	Method	AAT/GAP
Start	32154	End	33243
GI	71813_1.R1084	Score	1010
Exons	32154..32352, 32471..32571, 32945..33243		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46007	Strand	+
Start	32193	End	33823
Name	OJ990605_40.9919.C5.o5.np	Method	AAT/NAP
Start	32184	End	33649
GI	4262149	Score	788
Exons	32184..32352, 32471..32571, 32945..33196, 33272..33454, 33488..33649		
GI Descrip.	(AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46007	Strand	+
Start	32193	End	33823
Name	OJ990605_40.9919.C5.o6.gs	Method	GENSCAN
Start	32193	End	33643
GI	none	Score	.62
Exons	32193..32352, 32471..32575, 32928..33643		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46007	Strand	+
Start	32193	End	33823
Name	OJ990605_40.9919.C5.o6.gp	Method	AAT/GAP
Start	33356	End	33823
GI	76282_1.R1084	Score	848
Exons	33356..33823		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]'		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46008	Strand	+
Start	34739	End	36188
Name	OJ990605_40.9919.C5.o7.gs	Method	GENSCAN
Start	34739	End	36188
GI	none	Score	.78
Exons	34739..34759, 35327..35579, 36047..36123, 36138..36188		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46009	Strand	-
Start	7169	End	13600
Name	OJ990605_40.9919.C5.o2.gs	Method	GENSCAN
Start	7169	End	13600
GI	none	Score	.52
Exons	7169..9071, 9169..10234, 12288..13074, 13547..13600		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46009	Strand	-
Start	7169	End	13600
Name	OJ990605_40.9919.C5.o3.np	Method	AAT/NAP
Start	7172	End	13600
GI	5803259	Score	4754
Exons	7172..9071, 9169..10276, 13447..13600		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46009	Strand	-
Start	7169	End	13600
Name	OJ990605_40.9919.C5.o1.gp	Method	AAT/GAP
Start	10991	End	11374
GI	uC-osflcyp033a04b1	Score	669
Exons	10991..11374		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46010	Strand	-
Start	36528	End	44222
Name	OJ990605_40.9919.C5.o6.np	Method	AAT/NAP
Start	36528	End	38641
GI	3269281	Score	561
Exons	36528..36591, 37758..38641		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46010	Strand	-
Start	36528	End	44222

Name	OJ990605_40.9919.C5.o8.gs	Method	GENSCAN
Start	37794	End	44222
GI	none	Score	.76
Exons	37794..38304, 38409..38602, 39250..39293, 39660..39757, 40638..40681, 41028..41147, 41277..41645, 41901..42051, 42892..43033, 44054..44222		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46010	Strand	-
Start	36528	End	44222
Name	OJ990605_40.9919.C5.o7.gp	Method	AAT/GAP
Start	39261	End	39461
GI	3106943	Score	299
Exons	39261..39461		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46010	Strand	-
Start	36528	End	44222
Name	OJ990605_40.9919.C5.o8.gp	Method	AAT/GAP
Start	40649	End	40848
GI	3106943	Score	374
Exons	40649..40848		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o6.tw	Method	TBLASTX:Wheat
Start	1028	End	1420
GI	none	Score	58
Exons	1028..1075, 1082..1180, 1087..1179, 1147..1386, 1163..1420		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o9.tm	Method	TBLASTX:Maize
Start	1033	End	1318
GI	none	Score	196
Exons	1033..1317, 1070..1318		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	2158	End	2617
GI	none	Score	407
Exons	2158..2295, 2159..2617, 2353..2613		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	2808	End	3271
GI	none	Score	202

Exons	2808..3251, 2809..3264, 2810..3271, 2810..3265		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o7.ts	Method	TBLASTX:Soybean
Start	2849	End	3214
GI	none	Score	111
Exons	2849..3073, 3080..3214		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	2939	End	3295
GI	none	Score	383
Exons	2939..3295, 2974..3285, 2990..3295		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	3322	End	3706
GI	none	Score	357
Exons	3322..3687, 3323..3706		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	3379	End	3799
GI	none	Score	491
Exons	3379..3792, 3380..3799		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o6.ts	Method	TBLASTX:Soybean
Start	3458	End	3829
GI	none	Score	277
Exons	3458..3829, 3475..3618		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o5.tw	Method	TBLASTX:Wheat
Start	4326	End	4888
GI	none	Score	233
Exons	4326..4346, 4454..4678, 4469..4678, 4519..4704, 4739..4888, 4748..4885, 4750..4887		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o11.tw	Method	TBLASTX:Wheat
Start	4891	End	5203
GI	none	Score	184

Exons	4891..4989, 4943..5203		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o5.tm	Method	TBLASTX:Maize
Start	5396	End	5719
GI	none	Score	354
Exons	5396..5719, 5425..5706		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o4.tw	Method	TBLASTX:Wheat
Start	5533	End	5914
GI	none	Score	375
Exons	5533..5589, 5534..5914, 5534..5875, 5635..5883		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o8.tw	Method	TBLASTX:Wheat
Start	5915	End	6517
GI	none	Score	253
Exons	5915..6217, 5920..6198, 6391..6513, 6392..6517		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o8.tm	Method	TBLASTX:Maize
Start	18453	End	20191
GI	none	Score	164
Exons	18453..18584, 18478..18585, 19693..19929, 19741..19929, 19746..19931, 19763..19930, 20087..20191		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o10.tw	Method	TBLASTX:Wheat
Start	18498	End	20227
GI	none	Score	125
Exons	18498..18584, 18499..18585, 18516..18587, 19762..19938, 19762..19911, 20111..20224, 20111..20227		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o9.tw	Method	TBLASTX:Wheat
Start	24020	End	24172
GI	none	Score	216
Exons	24020..24172, 24021..24167		
Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o4.ts	Method	TBLASTX:Soybean
Start	24021	End	24353

GI	4397580	Score	185
Exons	24021..24161, 24029..24172, 24237..24353, 24254..24352		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o2.tc	Method	TBLASTX:Cress
Start	24258	End	26217
GI	none	Score	72
Exons	24258..24353, 25879..26217, 25880..26140		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	25907	End	26383
GI	none	Score	322
Exons	25907..26185, 25909..26169, 26186..26383, 26201..26362		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o5.ts	Method	TBLASTX:Soybean
Start	26458	End	26853
GI	none	Score	269
Exons	26458..26739, 26806..26853		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o6.tm	Method	TBLASTX:Maize
Start	32261	End	33118
GI	none	Score	158
Exons	32261..32311, 32262..32354, 32428..32577, 32469..32570, 32470..32571, 32933..33079, 32945..33118, 32947..33117		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	32262	End	33631
GI	none	Score	93
Exons	32262..32354, 32434..32577, 32469..32570, 32945..33178, 32947..33177, 33298..33384, 33299..33415, 33494..33631		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	32262	End	33631
GI	none	Score	115
Exons	32262..32354, 32467..32577, 32469..32570, 32945..33178, 32947..33180, 33298..33387, 33299..33415, 33493..33630, 33494..33631		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	33119	End	33701
GI	none	Score	103
Exons	33119..33178, 33203..33217, 33298..33639, 33299..33643, 33681..33701		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o7.tm	Method	TBLASTX:Maize
Start	37830	End	38165
GI	none	Score	185
Exons	37830..37871, 37872..38165, 37872..38165		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o3.ts	Method	TBLASTX:Soybean
Start	37872	End	38467
GI	none	Score	122
Exons	37872..38285, 37879..38268, 38330..38467, 38349..38447		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	38173	End	38621
GI	none	Score	70
Exons	38173..38280, 38175..38330, 38176..38268, 38337..38621, 38340..38615, 38342..38620		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o7.tw	Method	TBLASTX:Wheat
Start	38232	End	38620
GI	none	Score	87
Exons	38232..38318, 38342..38488, 38343..38489, 38501..38620		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o9.gs	Method	GENSCAN
Start	45782	End	47652
GI	none	Score	.62
Exons	45782..45795, 47454..47652		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o7.np	Method	AAT/NAP
Start	45910	End	46354
GI	6069646	Score	411

Exons	45910..46354		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22115	Seq. ID	OJ990605_40.9919.C5
Gene No.	46011	Strand	-
Start	45782	End	47652
Name	OJ990605_40.9919.C5.o10.tm	Method	TBLASTX:Maize
Start	46020	End	46358
GI	none	Score	91
Exons	46020..46163, 46153..46272, 46251..46358		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46012	Strand	+
Start	934	End	1442
Name	OJ990605_40.9919.C6.o1.gs	Method	GENSCAN
Start	934	End	1442
GI	none	Score	.56
Exons	934..939, 1299..1442		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46013	Strand	+
Start	3617	End	11103
Name	OJ990605_40.9919.C6.o3.np	Method	AAT/NAP
Start	3617	End	7559
GI	4508068	Score	261
Exons	3617..3637, 6496..6552, 6743..6808, 6992..7063, 7416..7559		
GI Descrip.	(AC005882) 3063 [Arabidopsis thaliana]		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46013	Strand	+
Start	3617	End	11103
Name	OJ990605_40.9919.C6.o3.gs	Method	GENSCAN
Start	5346	End	11103
GI	none	Score	.65
Exons	5346..5711, 5932..6339, 6448..6552, 6992..7057, 7219..7272, 7416..7558, 8516..8565, 10357..10543, 10782..11103		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46014	Strand	-
Start	1	End	4117
Name	OJ990605_40.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	4117
GI	6016874	Score	2229
Exons	1..42, 1203..1465, 1941..2280, 2398..2577, 2971..3130, 3521..3753, 3818..3955, 4039..4117		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46014	Strand	-
Start	1	End	4117
Name	OJ990605_40.9919.C6.o2.gs	Method	GENSCAN

Start	1937	End	4117
GI	none	Score	.76
Exons	1937..2397, 2971..3130, 3521..3753, 3818..3955, 4039..4117		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46014	Strand	-
Start	1	End	4117
Name	OJ990605_40.9919.C6.o1.gp	Method	AAT/GAP
Start	2920	End	3428
GI	uC-osflcyp110c07b1	Score	970
Exons	2920..3428		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46015	Strand	-
Start	4516	End	4673
Name	OJ990605_40.9919.C6.o2.tm	Method	TBLASTX:Maize
Start	2003	End	2246
GI	none	Score	97
Exons	2003..2236, 2088..2246		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46015	Strand	-
Start	4516	End	4673
Name	OJ990605_40.9919.C6.o4.tm	Method	TBLASTX:Maize
Start	2358	End	2710
GI	none	Score	131
Exons	2358..2699, 2429..2710		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46015	Strand	-
Start	4516	End	4673
Name	OJ990605_40.9919.C6.o3.tm	Method	TBLASTX:Maize
Start	2915	End	3229
GI	none	Score	108
Exons	2915..3142, 2916..3134, 3155..3229		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46015	Strand	-
Start	4516	End	4673
Name	OJ990605_40.9919.C6.o1.tm	Method	TBLASTX:Maize
Start	3323	End	3769
GI	none	Score	101
Exons	3323..3361, 3356..3412, 3449..3697, 3489..3698, 3683..3769		

Seq. No.	22116	Seq. ID	OJ990605_40.9919.C6
Gene No.	46015	Strand	-
Start	4516	End	4673
Name	OJ990605_40.9919.C6.o2.np	Method	AAT/NAP
Start	4516	End	4673
GI	6907084	Score	150
Exons	4516..4673		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7

Gene No.	46016	Strand	+
Start	9621	End	11006
Name	OJ990605_40.9919.C7.o2.gs	Method	GENSCAN
Start	9621	End	11006
GI	none	Score	.94
Exons	9621..9679, 10385..10555, 10925..11006		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46017	Strand	-
Start	1127	End	9355
Name	OJ990605_40.9919.C7.o1.np	Method	AAT/NAP
Start	912	End	9355
GI	6686398	Score	2443
Exons	912..1211, 1293..1443, 1536..1773, 1877..2087, 2200..2390, 2442..2579, 3275..4464, 6126..6430, 6517..6667, 6759..6996, 7097..7307, 7392..7520, 7772..7959, 8083..9355		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46017	Strand	-
Start	1127	End	9355
Name	OJ990605_40.9919.C7.o1.gs	Method	GENSCAN
Start	1127	End	9328
GI	none	Score	.74
Exons	1127..1211, 1536..1686, 1877..2087, 2200..2381, 3311..4542, 4945..5306, 5376..5801, 6158..6430, 6580..6667, 6759..6942, 7097..7307, 7392..7573, 7651..7752, 8074..9328		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	881	End	11814
GI	none	Score	246
Exons	881..1207, 891..1223, 894..1244, 1291..1449, 1293..1448, 1293..1451, 1294..1449, 1325..1450, 6013..6066, 6029..6064, 6122..6445, 6122..6442, 6505..6681, 6513..6680, 6524..6691, 11236..11277, 11296..11535, 11324..11539, 11631..11666, 11652..11807, 11658..11813, 11671..11814		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	984	End	12545
GI	none	Score	86
Exons	984..1202, 1000..1137, 1336..1437, 1347..1439, 1538..1780, 1539..1754, 1878..2087, 1948..2037, 2200..2340, 6233..6460, 6237..6356, 6559..6663, 6560..6664, 6762..6974, 6782..7003, 7092..7238, 7116..7310, 7180..7308, 7392..7532, 7393..7473, 11278..11535, 11342..11464, 11661..11780, 11677..11781, 11692..11784, 11878..12057, 11879..12058, 11882..12181, 12333..12545, 12334..12486		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562

Name	OJ990605_40.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	985	End	12545
GI	none	Score	115
Exons	985..1200, 990..1223, 1032..1223, 1339..1443, 1347..1469, 1348..1443, 1538..1789, 1539..1775, 1562..1789, 1869..1901, 1905..2087, 1906..2028, 1911..2090, 2200..2232, 6176..6442, 6237..6440, 6557..6664, 6560..6667, 6565..6666, 6762..7013, 6788..7018, 7125..7310, 7126..7308, 7131..7346, 7392..7424, 11236..11535, 11324..11539, 11665..11784, 11680..11781, 11682..11783, 11880..12092, 11882..12127, 11882..12124, 12321..12356, 12350..12484, 12360..12545, 12361..12483, 12368..12484, 12390..12515		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o3.tw	Method	TBLASTX:Wheat
Start	1006	End	11535
GI	none	Score	68
Exons	1006..1134, 1008..1211, 6233..6388, 11330..11458, 11332..11535		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	1293	End	12055
GI	none	Score	57
Exons	1293..1439, 1293..1442, 1312..1443, 1538..1708, 1538..1711, 1539..1709, 6389..6448, 6517..6666, 6545..6667, 6761..6931, 6762..6932, 6782..6934, 11661..11783, 11677..11784, 11882..12055, 11883..12053		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	1536	End	12545
GI	none	Score	166
Exons	1536..1754, 1537..1656, 1538..1774, 1878..2087, 1879..2037, 6759..6974, 6782..6997, 7099..7308, 7116..7310, 11882..12136, 11883..12095, 11885..12127, 12333..12545, 12349..12486		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o2.tw	Method	TBLASTX:Wheat
Start	1712	End	12545
GI	none	Score	126
Exons	1712..1780, 1870..2103, 1878..2087, 6935..7003, 6936..7004, 7090..7308, 7116..7310, 12056..12136, 12325..12486, 12327..12545		

Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o5.tm	Method	TBLASTX:Maize
Start	2200	End	7742
GI	none	Score	131

Exons	2200..2382, 2200..2382, 2467..2583, 7381..7497, 7392..7574, 7395..7574, 7646..7741, 7647..7742		
Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o4.tm	Method	TBLASTX:Maize
Start	3324	End	8321
GI	none	Score	51
Exons	3324..3377, 3324..3404, 3334..3393, 3366..3521, 3370..3522, 3375..3521, 3392..3526, 3394..3522, 8115..8162, 8119..8187, 8120..8173, 8169..8288, 8170..8286, 8174..8320, 8175..8321		
Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o2.tc	Method	TBLASTX:Cress
Start	3588	End	9256
GI	none	Score	65
Exons	3588..3635, 3633..3773, 3889..3999, 3891..4022, 4056..4148, 4057..4104, 4194..4424, 4273..4404, 8711..8812, 8712..8795, 8858..8968, 8858..8947, 8969..9115, 9033..9116, 9107..9256		
Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	3879	End	9135
GI	none	Score	41
Exons	3879..3971, 3909..3956, 3963..4361, 3985..4353, 8702..8767, 8706..8765, 8750..8998, 8772..8939, 8792..8977, 8900..8965, 8948..9124, 9000..9080, 9045..9128, 9067..9105, 9069..9122, 9070..9135		
Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o2.ts	Method	TBLASTX:Soybean
Start	3975	End	9268
GI	none	Score	88
Exons	3975..4109, 3979..4110, 4104..4211, 4128..4388, 4284..4358, 4368..4433, 8771..8905, 8775..8903, 8978..9058, 9017..9118, 9079..9120, 9158..9268		
Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o2.np	Method	AAT/NAP
Start	11218	End	12562
GI	2181190	Score	760
Exons	11218..11535, 11631..11784, 11880..12117, 12332..12562		
GI Descrip.	(Y12531) serine/threonine kinase [Brassica oleracea]		
Seq. No.	22117	Seq. ID	OJ990605_40.9919.C7
Gene No.	46018	Strand	-
Start	11236	End	12562
Name	OJ990605_40.9919.C7.o3.gs	Method	GENSCAN

Start	11236	End	12524
GI	none	Score	.9
Exons	11236..11418, 11631..11784, 11880..12117, 12332..12524		

Seq. No.	22118	Seq. ID	OJ990605_40.9919.C8
Gene No.	46019	Strand	-
Start	1230	End	2016
Name	OJ990605_40.9919.C8.o1.np	Method	AAT/NAP
Start	1230	End	2016
GI	5295955	Score	247
Exons	1230..2016		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22119	Seq. ID	OJ990605_40.9919.C9
Gene No.	46020	Strand	-
Start	1	End	2066
Name	OJ990605_40.9919.C9.o1.np	Method	AAT/NAP
Start	1	End	1612
GI	5295955	Score	215
Exons	1..218, 900..1013, 1552..1612		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22119	Seq. ID	OJ990605_40.9919.C9
Gene No.	46020	Strand	-
Start	1	End	2066
Name	OJ990605_40.9919.C9.o1.gs	Method	GENSCAN
Start	394	End	2066
GI	none	Score	.89
Exons	394..475, 959..1077, 1484..1620, 1943..2066		

Seq. No.	22119	Seq. ID	OJ990605_40.9919.C9
Gene No.	46021	Strand	-
Start	3066	End	4199
Name	OJ990605_40.9919.C9.o2.gs	Method	GENSCAN
Start	3066	End	4199
GI	none	Score	.99
Exons	3066..4199		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o1.gs	Method	GENSCAN
Start	1195	End	5745
GI	none	Score	.94
Exons	1195..5745		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o1.np	Method	AAT/NAP
Start	1195	End	5742
GI	4680179	Score	6764
Exons	1195..5742		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o7.tw	Method	TBLASTX:Wheat
Start	1408	End	1788
GI	none	Score	304
Exons	1408..1788, 1428..1787		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o6.tm	Method	TBLASTX:Maize
Start	1669	End	2001
GI	none	Score	226
Exons	1669..2001, 1692..1856		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o8.tw	Method	TBLASTX:Wheat
Start	2329	End	2730
GI	none	Score	150
Exons	2329..2553, 2343..2495, 2557..2730, 2590..2649, 2631..2699		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o8.tm	Method	TBLASTX:Maize
Start	2367	End	2643
GI	none	Score	195
Exons	2367..2468, 2368..2643		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o4.tw	Method	TBLASTX:Wheat
Start	2905	End	3387
GI	none	Score	546
Exons	2905..3387, 3009..3344		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o5.tm	Method	TBLASTX:Maize
Start	2917	End	3206
GI	none	Score	322
Exons	2917..3204, 3015..3206		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o4.ts	Method	TBLASTX:Soybean
Start	2941	End	3255
GI	none	Score	183
Exons	2941..3255		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10

Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o3.tm	Method	TBLASTX:Maize
Start	3274	End	3774
GI	none	Score	157
Exons	3274..3453, 3439..3774, 3525..3656, 3681..3728		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o1.ts	Method	TBLASTX:Soybean
Start	3328	End	3723
GI	none	Score	57
Exons	3328..3360, 3330..3356, 3364..3723, 3371..3511, 3376..3693, 3456..3722		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o5.tw	Method	TBLASTX:Wheat
Start	3436	End	3738
GI	none	Score	396
Exons	3436..3738, 3437..3514, 3439..3729, 3465..3737		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o2.tw	Method	TBLASTX:Wheat
Start	3739	End	4248
GI	none	Score	619
Exons	3739..4248, 3747..4157, 3781..4161		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o3.ts	Method	TBLASTX:Soybean
Start	3745	End	3990
GI	none	Score	209
Exons	3745..3990		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o2.tm	Method	TBLASTX:Maize
Start	3811	End	4174
GI	none	Score	477
Exons	3811..4164, 3813..4157, 3851..4174		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o3.tw	Method	TBLASTX:Wheat
Start	4252	End	4731
GI	none	Score	587
Exons	4252..4731, 4285..4695, 4476..4730		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10

Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o1.tc	Method	TBLASTX:Cress
Start	4438	End	4755
GI	none	Score	90
Exons	4438..4611, 4612..4755, 4614..4754		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o2.ts	Method	TBLASTX:Soybean
Start	4519	End	4779
GI	none	Score	300
Exons	4519..4779, 4524..4778		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o4.tm	Method	TBLASTX:Maize
Start	4578	End	4869
GI	none	Score	390
Exons	4578..4865, 4579..4869		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o1.tw	Method	TBLASTX:Wheat
Start	4738	End	5364
GI	none	Score	729
Exons	4738..5364, 4740..5363		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o1.tm	Method	TBLASTX:Maize
Start	4918	End	5505
GI	none	Score	226
Exons	4918..5079, 4924..5070, 4926..5072, 5077..5505, 5082..5174, 5244..5504		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o6.tw	Method	TBLASTX:Wheat
Start	5364	End	5697
GI	none	Score	366
Exons	5364..5696, 5365..5697		

Seq. No.	22120	Seq. ID	OJ990605_40.9919.C10
Gene No.	46022	Strand	+
Start	1195	End	5745
Name	OJ990605_40.9919.C10.o7.tm	Method	TBLASTX:Maize
Start	5506	End	5718
GI	none	Score	206
Exons	5506..5718		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2

Gene No.	46023	Strand	+
Start	304	End	3223
Name	OJ990605_37.9922.C2.o1.np	Method	AAT/NAP
Start	304	End	3220
GI	3834304	Score	1267
Exons	304..681, 1177..1358, 1730..1879, 1953..2069, 2193..2294, 2518..2691, 2846..3220		
GI Descrip.	(AC005679) Contains similarity to gi|1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0 from Escherichia coli genome gb|AE000116, and to hypothetical YABO family PF|00849. [Arabidopsis thaliana]		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46023	Strand	+
Start	304	End	3223
Name	OJ990605_37.9922.C2.o1.gs	Method	GENSCAN
Start	318	End	3223
GI	none	Score	.88
Exons	318..632, 1038..1109, 1200..1358, 1730..1858, 1953..2069, 2518..2676, 2849..3223		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46024	Strand	-
Start	3677	End	4120
Name	OJ990605_37.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	531	End	1810
GI	none	Score	156
Exons	531..641, 539..634, 1036..1119, 1038..1124, 1191..1358, 1191..1355, 1199..1360, 1199..1378, 1712..1810, 1729..1809		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46024	Strand	-
Start	3677	End	4120
Name	OJ990605_37.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	2223	End	3067
GI	5606701	Score	79
Exons	2223..2297, 2515..2679, 2517..2672, 2846..2956, 2848..2982, 2980..3066, 2990..3067		
GI Descrip.	3834304 4.0e-41 (AC005679) Contains similarity to gi_1786244 hypothetical 24.9 kD protein in surA-hepA intergenic region yab0 from Escherichia coli genome gb_AE000116, and to hypothetical YABO family PF_00849. [Arabidopsis thaliana]		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46024	Strand	-
Start	3677	End	4120
Name	OJ990605_37.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	2498	End	2976
GI	none	Score	182
Exons	2498..2683, 2515..2685, 2517..2684, 2838..2975, 2843..2974, 2845..2976		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46024	Strand	-
Start	3677	End	4120
Name	OJ990605_37.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	3005	End	3225

GI	none	Score	340
Exons	3005..3214, 3005..3223, 3010..3222, 3010..3225		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46024	Strand	-
Start	3677	End	4120
Name	OJ990605_37.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	3672	End	3898
GI	none	Score	246
Exons	3672..3749, 3675..3866, 3677..3898, 3677..3865, 3770..3847, 3809..3847		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46024	Strand	-
Start	3677	End	4120
Name	OJ990605_37.9922.C2.o2.gs	Method	GENSCAN
Start	3677	End	4078
GI	none	Score	.75
Exons	3677..4078		

Seq. No.	22121	Seq. ID	OJ990605_37.9922.C2
Gene No.	46024	Strand	-
Start	3677	End	4120
Name	OJ990605_37.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	3872	End	4120
GI	none	Score	171
Exons	3872..4120, 3924..4118		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46025	Strand	-
Start	1148	End	8928
Name	OJ990605_37.9922.C3.o1.gp	Method	AAT/GAP
Start	822	End	1450
GI	19315_1.R1084	Score	1167
Exons	822..1450		
GI Descrip.	'4530509/gb|AAD22071.1| 2.0e-11 (AF124748) putative RNA-binding protein [Larix laricina]'		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46025	Strand	-
Start	1148	End	8928
Name	OJ990605_37.9922.C3.o1.gs	Method	GENSCAN
Start	1148	End	8928
GI	none	Score	.88
Exons	1148..1441, 1530..1703, 1884..1975, 2498..2620, 3904..3965, 4060..4136, 4799..4901, 5179..5240, 6246..6572, 6763..6820, 8305..8380, 8583..8725, 8846..8928		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46025	Strand	-
Start	1148	End	8928
Name	OJ990605_37.9922.C3.o1.np	Method	AAT/NAP
Start	1151	End	6392
GI	4587549	Score	886
Exons	1151..1441, 1530..1703, 1884..1962, 2500..2620, 2724..2754, 3392..3467, 3722..3809, 3904..3965, 4060..4136, 4799..4901, 5179..5243, 6267..6392		

GI Descrip.	(AC006577) Similar to gb|U55861 RNA binding protein nucleolysin (TIAR) from Mus musculus and contains several PF|00076 RNA recognition motif domains. ESTs gb|T21032 and gb|T44127 come from this gene. [Arabidopsis t...		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46025	Strand	-
Start	1148	End	8928
Name	OJ990605_37.9922.C3.o2.gp	Method	AAT/GAP
Start	4106	End	6653
GI	26236_1.R1084	Score	1129
Exons	4106..4136, 4799..4901, 5179..5240, 6246..6653		
GI Descrip.	'4680340/gb|AAD27631.1|AF128457_5 9.0e-23 (AF128457) putative nucleolysin [Oryza sativa subsp. indica]'		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	872	End	4877
GI	none	Score	46
Exons	872..904, 873..935, 1031..1072, 1040..1096, 1055..1144, 1148..1201, 1149..1235, 1158..1223, 1165..1362, 1272..1358, 1362..1442, 1398..1442, 1527..1634, 1530..1706, 1531..1704, 1532..1708, 1881..1982, 1882..1974, 2498..2617, 2502..2618, 2502..2627, 2503..2625, 2718..2756, 2719..2769, 2723..2758, 3381..3467, 3388..3465, 3390..3467, 3398..3469, 3713..3826, 3721..3876, 3902..3970, 3903..3968, 3906..3971, 3910..3969, 4053..4139, 4059..4139, 4791..4877, 4799..4876		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	1283	End	5243
GI	none	Score	73
Exons	1283..1366, 1398..1442, 1527..1634, 1530..1715, 1531..1677, 1881..1991, 1882..1959, 2502..2567, 2523..2627, 2575..2628, 2578..2634, 2723..2761, 3390..3467, 3398..3469, 3721..3810, 3722..3826, 3902..3961, 3903..3968, 4059..4139, 4799..4900, 4800..4898, 5173..5241, 5178..5243		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o2.gs	Method	GENSCAN
Start	10388	End	19215
GI	none	Score	.71
Exons	10388..12066, 13111..13235, 13723..13913, 14086..15929, 16085..16235, 16328..16367, 16699..16821, 16902..17066, 17178..17268, 17481..17565, 17653..17817, 19174..19215		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o5.tm	Method	TBLASTX:Maize
Start	11128	End	11421

GI	none	Score	81
Exons	11128..11217, 11147..11227, 11147..11218, 11216..11419, 11224..11421		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o3.gp	Method	AAT/GAP
Start	12632	End	13104
GI	none	Score	862
Exons	12632..13104		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o2.np	Method	AAT/NAP
Start	13058	End	19286
GI	4104929	Score	1530
Exons	13058..13235, 13723..13913, 14086..15929, 16085..16223, 16292..16367, 16699..16821, 16902..17066, 17178..17268, 17481..17565, 17653..17808, 17905..17961, 18081..18179, 19174..19286		
GI Descrip.	(AF042195) auxin response factor 7 [Arabidopsis thaliana]		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	13061	End	19272
GI	none	Score	80
Exons	13061..13234, 13098..13250, 13718..13855, 13722..13922, 13780..13914, 13782..13916, 14896..15060, 15778..15843, 15794..15829, 15856..15930, 15857..15931, 16081..16218, 16089..16229, 16280..16369, 16280..16369, 16294..16392, 16693..16755, 16695..16760, 16767..16820, 16768..16809, 16873..17064, 16874..17068, 16875..17069, 17177..17269, 17178..17270, 17464..17565, 17480..17566, 17651..17752, 17653..17817, 17655..17807, 17893..17970, 17908..17970, 18084..18143, 18088..18144, 18150..18182, 19171..19272, 19172..19270		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	13080	End	16357
GI	none	Score	204
Exons	13080..13250, 13082..13234, 13715..13915, 13722..13922, 13780..13914, 14083..14127, 14085..14123, 14112..14330, 14112..14558, 14128..14559, 14132..14545, 14549..14905, 14553..14906, 14555..14905, 14907..15044, 14913..15017, 14917..15066, 14918..15019, 15068..15115, 15116..15166, 15144..15209, 15158..15211, 15159..15212, 15312..15395, 15317..15454, 15329..15385, 15398..15466, 15452..15934, 15465..15929, 15469..15930, 16086..16223, 16087..16227, 16289..16357, 16293..16355, 16298..16357		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	13106	End	14394
GI	none	Score	116
Exons	13106..13234, 13110..13235, 13722..13922, 13780..13914, 14083..14109, 14140..14223, 14156..14251, 14159..14245, 14326..14394		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o4.gp	Method	AAT/GAP
Start	14070	End	14532
GI	none	Score	703
Exons	14070..14532		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	14217	End	14447
GI	none	Score	129
Exons	14217..14330, 14219..14338, 14219..14326, 14326..14442, 14332..14433, 14334..14447, 14334..14447		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o4.ts	Method	TBLASTX:Soybean
Start	16077	End	17006
GI	5509656	Score	103
Exons	16077..16229, 16081..16224, 16081..16239, 16280..16366, 16281..16367, 16288..16368, 16290..16376, 16693..16755, 16695..16760, 16767..16823, 16768..16824, 16889..16987, 16908..17006, 16910..16978		
GI Descrip.	4103243 7.0e-51 (AF022368) BIPOSTO [Arabidopsis thaliana]		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	16693	End	17565
GI	none	Score	166
Exons	16693..16857, 16695..16823, 16729..16824, 16900..17070, 16902..17069, 17177..17296, 17178..17270, 17179..17271, 17464..17565, 17470..17565		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	17491	End	17952
GI	none	Score	66
Exons	17491..17565, 17498..17560, 17653..17817, 17671..17745, 17908..17952		

Seq. No.	22122	Seq. ID	OJ990605_37.9922.C3
Gene No.	46026	Strand	-
Start	10388	End	19286
Name	OJ990605_37.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	17659	End	19258
GI	none	Score	138
Exons	17659..17817, 17662..17763, 17664..17816, 17886..17960, 17902..17961, 17902..17961, 17903..17992, 18067..18180, 18081..18182, 19171..19257, 19171..19257, 19172..19258		

Seq. No.	22123	Seq. ID	OJ990605_37.9922.C4
Gene No.	46027	Strand	-
Start	2075	End	2212
Name	OJ990605_37.9922.C4.o2.gs	Method	GENSCAN
Start	2075	End	2212
GI	none	Score	.7
Exons	2075..2212		

Seq. No.	22124	Seq. ID	OJ990605_37.9922.C5
Gene No.	46028	Strand	+
Start	2340	End	3861
Name	OJ990605_37.9922.C5.o1.gs	Method	GENSCAN
Start	2340	End	3861
GI	none	Score	.61
Exons	2340..2400, 3530..3861		

Seq. No.	22124	Seq. ID	OJ990605_37.9922.C5
Gene No.	46029	Strand	+
Start	6913	End	7946
Name	OJ990605_37.9922.C5.o1.np	Method	AAT/NAP
Start	6913	End	7946
GI	6721547	Score	93
Exons	6913..7026, 7859..7946		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	22124	Seq. ID	OJ990605_37.9922.C5
Gene No.	46029	Strand	+
Start	6913	End	7946
Name	OJ990605_37.9922.C5.o1.gp	Method	AAT/GAP
Start	7767	End	7946
GI	none	Score	343
Exons	7767..7946		

Seq. No.	22124	Seq. ID	OJ990605_37.9922.C5
Gene No.	46030	Strand	-
Start	4651	End	7895
Name	OJ990605_37.9922.C5.o2.gs	Method	GENSCAN
Start	4651	End	7895
GI	none	Score	.49
Exons	4651..4844, 7554..7895		

Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46031	Strand	+
Start	2372	End	4341
Name	OJ990605_37.9922.C6.o3.gs	Method	GENSCAN
Start	2372	End	4341

GI	none	Score	.83
Exons	2372..2593, 4052..4180, 4270..4341		

Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46032	Strand	-
Start	8	End	148
Name	OJ990605_37.9922.C6.o1.gs	Method	GENSCAN
Start	8	End	148
GI	none	Score	.55
Exons	8..148		

Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46033	Strand	-
Start	1123	End	2116
Name	OJ990605_37.9922.C6.o2.gs	Method	GENSCAN
Start	1123	End	2116
GI	none	Score	.47
Exons	1123..1636, 1746..2116		

Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46033	Strand	-
Start	1123	End	2116
Name	OJ990605_37.9922.C6.o1.np	Method	AAT/NAP
Start	1126	End	2113
GI	6751704	Score	515
Exons	1126..2113		
GI Descrip.	(AC018848) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o1.gp	Method	AAT/GAP
Start	4740	End	6518
GI	60_1.R1084	Score	1607
Exons	4740..5108, 5229..5346, 5440..5519, 5600..5680, 5835..5918, 6355..6518		
GI Descrip.	'3252794/dbj|BAA29041| 0.0e+00 (AB015615) isoamylase [Oryza sativa]'		

Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	4823	End	5662
GI	none	Score	182
Exons	4823..4981, 4827..5105, 4829..5107, 4839..5126, 5021..5110, 5232..5333, 5232..5348, 5236..5352, 5435..5494, 5435..5497, 5439..5501, 5439..5498, 5481..5513, 5486..5518, 5487..5522, 5582..5662, 5595..5660		

Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o2.np	Method	AAT/NAP
Start	4829	End	6742
GI	3252794	Score	1286
Exons	4829..5108, 5229..5346, 5440..5519, 5600..5680, 5835..5918,		

	6355..6516, 6718..6742		
GI Descrip.	(AB015615) isoamylase [Oryza sativa]		
Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o4.gs	Method	GENSCAN
Start	4851	End	6513
GI	none	Score	.98
Exons	4851..5108, 5229..5346, 5440..5519, 5600..5680, 6355..6513		
Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	4983	End	5471
GI	none	Score	77
Exons	4983..5105, 5221..5319, 5225..5320, 5226..5321, 5226..5342, 5227..5343, 5439..5471		
Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	5007	End	5665
GI	none	Score	61
Exons	5007..5126, 5013..5087, 5226..5345, 5227..5343, 5442..5498, 5484..5513, 5582..5665, 5607..5663, 5608..5664		
Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	5824	End	6519
GI	none	Score	115
Exons	5824..5919, 5834..5920, 5835..5921, 6348..6515, 6353..6514, 6355..6516, 6436..6519		
Seq. No.	22125	Seq. ID	OJ990605_37.9922.C6
Gene No.	46034	Strand	-
Start	4851	End	6742
Name	OJ990605_37.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	6361	End	6519
GI	none	Score	108
Exons	6361..6390, 6397..6516, 6437..6511, 6439..6519		
Seq. No.	22126	Seq. ID	OJ990605_37.9922.C7
Gene No.	46035	Strand	-
Start	1	End	4335
Name	OJ990605_37.9922.C7.o1.gp	Method	AAT/GAP
Start	1	End	4335
GI	60_1.R1084	Score	2198
Exons	1..193, 635..721, 1075..1201, 1290..1361, 1760..1844, 1959..2066, 2149..2290, 2872..2948, 3342..3494, 3851..3943, 4048..4236, 4310..4335		
GI Descrip.	'3252794/dbj|BAA29041| 0.0e+00 (AB015615) isoamylase [Oryza sativa]'		

Seq. No.	22126	Seq. ID	OJ990605_37.9922.C7
Gene No.	46035	Strand	-
Start	1	End	4335
Name	OJ990605_37.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	4259
GI	3252794	Score	1905
Exons	1..193, 635..721, 1075..1201, 1290..1361, 1760..1845, 1959..2066, 2149..2290, 2872..2948, 3342..3494, 3851..3943, 4048..4259		
GI Descrip.	(AB015615) isoamylase [Oryza sativa]		

Seq. No.	22126	Seq. ID	OJ990605_37.9922.C7
Gene No.	46035	Strand	-
Start	1	End	4335
Name	OJ990605_37.9922.C7.o1.gs	Method	GENSCAN
Start	101	End	4239
GI	none	Score	.64
Exons	101..193, 635..721, 1075..1201, 1290..1361, 1760..1844, 2030..2066, 2149..2290, 2872..2948, 3342..3494, 3851..3943, 4048..4239		

Seq. No.	22126	Seq. ID	OJ990605_37.9922.C7
Gene No.	46035	Strand	-
Start	1	End	4335
Name	OJ990605_37.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	635	End	3482
GI	none	Score	139
Exons	635..721, 636..740, 636..722, 1066..1233, 1070..1204, 1282..1362, 1290..1367, 1291..1362, 1292..1363, 1756..1860, 1763..1873, 1935..2066, 1936..2067, 1937..2071, 1940..2068, 1959..2069, 2138..2290, 2146..2295, 2871..2951, 2872..2955, 2875..2949, 3334..3480, 3364..3480, 3366..3482, 3366..3482		

Seq. No.	22126	Seq. ID	OJ990605_37.9922.C7
Gene No.	46035	Strand	-
Start	1	End	4335
Name	OJ990605_37.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	1153	End	2227
GI	none	Score	55
Exons	1153..1206, 1156..1233, 1292..1363, 1298..1363, 1299..1367, 1756..1860, 1763..1873, 1935..2066, 1960..2049, 2016..2069, 2020..2067, 2138..2227, 2146..2226		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46036	Strand	+
Start	7460	End	9792
Name	OJ990605_37.9922.C8.o1.np	Method	AAT/NAP
Start	7460	End	9428
GI	2827528	Score	590
Exons	7460..7530, 8650..8800, 8875..9428		
GI Descrip.	(AL021633) predicted protein [Arabidopsis thaliana]		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46036	Strand	+
Start	7460	End	9792
Name	OJ990605_37.9922.C8.o1.gp	Method	AAT/GAP

Start	8553	End	8762
GI	428385	Score	408
Exons	8553..8762		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46036	Strand	+
Start	7460	End	9792
Name	OJ990605_37.9922.C8.o2.gp	Method	AAT/GAP
Start	9147	End	9792
GI	18766_1.R1084	Score	1238
Exons	9147..9792		
GI Descrip.	'2827528/emb|CAA16536.1| 4.0e-17 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46037	Strand	-
Start	8468	End	13636
Name	OJ990605_37.9922.C8.o2.gs	Method	GENSCAN
Start	8468	End	13636
GI	none	Score	.46
Exons	8468..8895, 8970..9483, 13220..13636		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46037	Strand	-
Start	8468	End	13636
Name	OJ990605_37.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	8632	End	9024
GI	none	Score	172
Exons	8632..8802, 8633..8800, 8868..9023, 8872..9024		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46037	Strand	-
Start	8468	End	13636
Name	OJ990605_37.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	8633	End	9369
GI	none	Score	140
Exons	8633..8800, 8872..9156, 8874..9074, 9120..9350, 9205..9369		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46037	Strand	-
Start	8468	End	13636
Name	OJ990605_37.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	8635	End	8973
GI	none	Score	214
Exons	8635..8799, 8636..8800, 8872..8973, 8877..8972		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46037	Strand	-
Start	8468	End	13636
Name	OJ990605_37.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	9205	End	9375
GI	none	Score	195
Exons	9205..9375, 9240..9350		

Seq. No.	22127	Seq. ID	OJ990605_37.9922.C8
Gene No.	46037	Strand	-
Start	8468	End	13636

Name	OJ990605_37.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	9226	End	9400
GI	none	Score	223
Exons	9226..9393, 9240..9356, 9280..9399, 9287..9400		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46038	Strand	+
Start	997	End	6899
Name	OJ990605_37.9922.C9.o1.np	Method	AAT/NAP
Start	997	End	5739
GI	6498441	Score	6130
Exons	997..2061, 2392..2855, 2919..3292, 3476..3610, 3785..4507, 4679..5739		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46038	Strand	+
Start	997	End	6899
Name	OJ990605_37.9922.C9.o2.np	Method	AAT/NAP
Start	4950	End	6899
GI	4680186	Score	253
Exons	4950..5062, 6669..6899		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	1188	End	1436
GI	none	Score	195
Exons	1188..1436, 1190..1435, 1284..1436		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o6.tw	Method	TBLASTX:Wheat
Start	1200	End	1538
GI	none	Score	109
Exons	1200..1298, 1217..1297, 1265..1504, 1281..1538		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o3.tw	Method	TBLASTX:Wheat
Start	2276	End	2762
GI	none	Score	400
Exons	2276..2449, 2277..2762, 2471..2731		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	2927	End	3389
GI	none	Score	576
Exons	2927..3382, 2928..3389, 2928..3383		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o3.ts	Method	TBLASTX:Soybean
Start	2967	End	3332
GI	none	Score	117
Exons	2967..3191, 3198..3332		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	3057	End	3413
GI	none	Score	389
Exons	3057..3413, 3092..3403, 3297..3413		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	3440	End	3824
GI	none	Score	361
Exons	3440..3805, 3441..3824		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	3497	End	6311
GI	none	Score	486
Exons	3497..3922, 3498..3920, 6267..6311		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	3576	End	3947
GI	none	Score	274
Exons	3576..3947, 3593..3736		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o5.tw	Method	TBLASTX:Wheat
Start	4380	End	4813
GI	none	Score	67
Exons	4380..4466, 4462..4629, 4463..4630, 4664..4813, 4673..4798, 4675..4812		

Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	4502	End	5068
GI	5666795	Score	62
Exons	4502..4600, 4676..4813, 4868..5068		

GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o7.tw	Method	TBLASTX:Wheat
Start	4816	End	5128
GI	none	Score	192
Exons	4816..4992, 4868..5128		
Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	5321	End	5682
GI	none	Score	112
Exons	5321..5464, 5445..5630, 5458..5643, 5514..5663, 5635..5682		
Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o4.tw	Method	TBLASTX:Wheat
Start	5324	End	5714
GI	none	Score	116
Exons	5324..5464, 5347..5469, 5445..5636, 5453..5614, 5455..5712, 5658..5714		
Seq. No.	22128	Seq. ID	OJ990605_37.9922.C9
Gene No.	46039	Strand	-
Start	6446	End	6827
Name	OJ990605_37.9922.C9.o2.gp	Method	AAT/GAP
Start	6446	End	6827
GI	uC-osflcyp033a04b1	Score	671
Exons	6446..6827		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	22129	Seq. ID	OJ990605_37.9922.C10
Gene No.	46040	Strand	+
Start	1	End	1507
Name	OJ990605_37.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	1504
GI	6498441	Score	1010
Exons	1..40, 780..1129, 1223..1504		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	22129	Seq. ID	OJ990605_37.9922.C10
Gene No.	46040	Strand	+
Start	1	End	1507
Name	OJ990605_37.9922.C10.o1.gs	Method	GENSCAN
Start	370	End	1507
GI	none	Score	.86
Exons	370..376, 747..1507		
Seq. No.	22129	Seq. ID	OJ990605_37.9922.C10

Gene No.	46041	Strand	-
Start	2131	End	5692
Name	OJ990605_37.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	887	End	4322
GI	none	Score	273
Exons	887..1183, 931..1176, 1369..1491, 1370..1495, 4239..4322		

Seq. No.	22129	Seq. ID	OJ990605_37.9922.C10
Gene No.	46041	Strand	-
Start	2131	End	5692
Name	OJ990605_37.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	1363	End	1516
GI	none	Score	187
Exons	1363..1503, 1364..1516		

Seq. No.	22129	Seq. ID	OJ990605_37.9922.C10
Gene No.	46041	Strand	-
Start	2131	End	5692
Name	OJ990605_37.9922.C10.o2.gs	Method	GENSCAN
Start	2131	End	5692
GI	none	Score	.59
Exons	2131..3198, 3231..3957, 4095..4263, 4291..4823, 4868..5100, 5239..5375, 5608..5692		

Seq. No.	22129	Seq. ID	OJ990605_37.9922.C10
Gene No.	46041	Strand	-
Start	2131	End	5692
Name	OJ990605_37.9922.C10.o2.np	Method	AAT/NAP
Start	2134	End	5355
GI	6907089	Score	4273
Exons	2134..3991, 4095..5355		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22130	Seq. ID	OJ990605_37.9922.C11
Gene No.	46042	Strand	+
Start	239	End	1323
Name	OJ990605_37.9922.C11.o1.gs	Method	GENSCAN
Start	239	End	1323
GI	none	Score	.75
Exons	239..283, 413..502, 773..943, 1237..1323		

Seq. No.	22130	Seq. ID	OJ990605_37.9922.C11
Gene No.	46043	Strand	-
Start	1	End	976
Name	OJ990605_37.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	976
GI	5922623	Score	158
Exons	1..140, 328..443, 866..976		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22130	Seq. ID	OJ990605_37.9922.C11
Gene No.	46044	Strand	-
Start	1476	End	2258
Name	OJ990605_37.9922.C11.o2.gp	Method	AAT/GAP
Start	1476	End	1851

GI	89874_1.R1084	Score	696
Exons	1476..1851		
GI Descrip.	'3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]'		

Seq. No.	22130	Seq. ID	OJ990605_37.9922.C11
Gene No.	46044	Strand	-
Start	1476	End	2258
Name	OJ990605_37.9922.C11.o2.gs	Method	GENSCAN
Start	1622	End	2191
GI	none	Score	1
Exons	1622..2191		

Seq. No.	22130	Seq. ID	OJ990605_37.9922.C11
Gene No.	46044	Strand	-
Start	1476	End	2258
Name	OJ990605_37.9922.C11.o2.np	Method	AAT/NAP
Start	1646	End	2258
GI	3015486	Score	412
Exons	1646..2258		
GI Descrip.	(U58473) receptor-like protein kinase [Lycopersicon esculentum]		

Seq. No.	22130	Seq. ID	OJ990605_37.9922.C11
Gene No.	46044	Strand	-
Start	1476	End	2258
Name	OJ990605_37.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	1691	End	2207
GI	none	Score	299
Exons	1691..1831, 1814..1957, 1943..2206, 1968..2207		

Seq. No.	22130	Seq. ID	OJ990605_37.9922.C11
Gene No.	46044	Strand	-
Start	1476	End	2258
Name	OJ990605_37.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	1967	End	2224
GI	none	Score	95
Exons	1967..2071, 1968..2069, 2087..2224, 2088..2105, 2154..2213		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	2228
GI	3047095	Score	750
Exons	1..25, 548..1198, 1301..1996, 2124..2228		
GI Descrip.	(AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o1.gs	Method	GENSCAN
Start	163	End	2030
GI	none	Score	.94
Exons	163..290, 548..2030		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	543	End	869
GI	none	Score	45
Exons	543..701, 544..636, 682..807, 708..869		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o2.tc	Method	TBLASTX:Cress
Start	543	End	1826
GI	none	Score	56
Exons	543..692, 690..836, 1752..1826		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	543	End	845
GI	none	Score	120
Exons	543..845, 547..807		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o1.gp	Method	AAT/GAP
Start	1247	End	1713
GI	3761696	Score	860
Exons	1247..1713		
GI Descrip.	3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	1326	End	1745
GI	none	Score	68
Exons	1326..1577, 1374..1616, 1665..1745		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	1332	End	1892
GI	none	Score	44
Exons	1332..1577, 1458..1607, 1605..1748, 1605..1676, 1674..1739, 1845..1892		

Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	1497	End	1754
GI	none	Score	62

Exons	1497..1622, 1510..1626, 1584..1742, 1617..1754		
Seq. No.	22131	Seq. ID	OJ990605_37.9922.C12
Gene No.	46045	Strand	-
Start	1	End	2228
Name	OJ990605_37.9922.C12.o2.gp	Method	AAT/GAP
Start	1807	End	2167
GI	73943_1.R1084	Score	640
Exons	1807..2167		
GI Descrip.	'3047095 4.0e-37 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]'		
Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46046	Strand	+
Start	2745	End	6649
Name	OJ990605_37.9922.C13.o2.gs	Method	GENSCAN
Start	2745	End	6562
GI	none	Score	.8
Exons	2745..2797, 3100..3200, 3592..3704, 3803..4088, 4515..4579, 5769..5799, 6011..6162, 6518..6562		
Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46046	Strand	+
Start	2745	End	6649
Name	OJ990605_37.9922.C13.o2.gp	Method	AAT/GAP
Start	2909	End	3846
GI	97026_1.R1084	Score	577
Exons	2909..3099, 3321..3363, 3592..3704, 3806..3846		
GI Descrip.	'2760323 2.0e-19 (AC002130) F1N21.8 [Arabidopsis thaliana]'		
Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46046	Strand	+
Start	2745	End	6649
Name	OJ990605_37.9922.C13.o3.gp	Method	AAT/GAP
Start	4002	End	6649
GI	29364_1.R1084	Score	1464
Exons	4002..4088, 4515..4579, 4800..4851, 4932..5041, 5769..5799, 6011..6162, 6331..6649		
GI Descrip.	'2760323 6.0e-32 (AC002130) F1N21.8 [Arabidopsis thaliana]'		
Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46047	Strand	+
Start	7646	End	7998
Name	OJ990605_37.9922.C13.o3.gs	Method	GENSCAN
Start	7646	End	7998
GI	none	Score	.57
Exons	7646..7726, 7780..7998		
Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46048	Strand	-
Start	490	End	1976
Name	OJ990605_37.9922.C13.o1.gs	Method	GENSCAN
Start	490	End	1976
GI	none	Score	.87
Exons	490..620, 704..959, 1039..1440, 1533..1976		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46048	Strand	-
Start	490	End	1976
Name	OJ990605_37.9922.C13.o1.gp	Method	AAT/GAP
Start	1668	End	1884
GI	none	Score	426
Exons	1668..1884		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	1072	End	1338
GI	none	Score	286
Exons	1072..1338, 1073..1336		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	3570	End	6539
GI	none	Score	203
Exons	3570..3704, 3582..3704, 3588..3680, 3591..3692, 3603..3695, 3611..3715, 3611..3691, 3653..3715, 3832..3969, 3833..3970, 3835..4104, 3846..4091, 4130..4165, 4510..4545, 4512..4550, 4514..4552, 4557..4580, 4557..4592, 4558..4599, 4787..4852, 4799..4852, 4800..4880, 4921..5034, 4930..5040, 4931..5041, 4931..5056, 4941..5042, 4943..5032, 6007..6165, 6010..6114, 6012..6125, 6025..6114, 6025..6114, 6288..6395, 6289..6396, 6296..6400, 6314..6397, 6398..6427, 6399..6428, 6400..6447, 6431..6454, 6477..6539, 6480..6533		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o5.tc	Method	TBLASTX:Cress
Start	3573	End	6162
GI	none	Score	191
Exons	3573..3683, 3582..3701, 3611..3703, 4924..5034, 4931..5032, 4940..5041, 6025..6162		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o5.ts	Method	TBLASTX:Soybean
Start	3582	End	6186
GI	none	Score	182
Exons	3582..3701, 3600..3692, 3603..3698, 3611..3703, 3788..3859, 3902..3961, 3961..4011, 4022..4090, 4535..4579, 4567..4602, 4800..4850, 4924..5034, 4931..5032, 4933..5031, 4934..5053, 4940..5032, 4943..5059, 4946..5041, 6007..6162, 6015..6113, 6025..6186, 6025..6153		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o4.gs	Method	GENSCAN

Start	9417	End	14086
GI	none	Score	.41
Exons	9417..9425, 10009..10180, 10505..10649, 10827..10944, 11281..13613, 13653..13764, 13790..14086		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o3.tc	Method	TBLASTX:Cress
Start	9671	End	10176
GI	none	Score	58
Exons	9671..9727, 9754..9957, 9973..10095, 10105..10176		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o1.np	Method	AAT/NAP
Start	9721	End	14101
GI	2586082	Score	4220
Exons	9721..11358, 11389..11630, 11694..14101		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	9745	End	10368
GI	none	Score	57
Exons	9745..10368, 9773..9949, 9778..10170, 9980..10174, 10214..10366		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o6.tw	Method	TBLASTX:Wheat
Start	9769	End	10125
GI	none	Score	48
Exons	9769..9960, 9878..9961, 9967..10125, 9974..10075		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	9772	End	10380
GI	none	Score	54
Exons	9772..9948, 9851..9949, 9973..10380, 10031..10174, 10214..10378		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	10132	End	10569
GI	none	Score	50
Exons	10132..10569, 10134..10172, 10250..10564		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101

Name	OJ990605_37.9922.C13.o4.tc	Method	TBLASTX:Cress
Start	10435	End	10686
GI	none	Score	203
Exons	10435..10686		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	10504	End	10950
GI	none	Score	112
Exons	10504..10950, 10640..10930		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o3.tw	Method	TBLASTX:Wheat
Start	10570	End	11083
GI	none	Score	83
Exons	10570..10752, 10738..11082, 10774..10929, 10865..10933, 10985..11083		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	10747	End	11250
GI	5509260	Score	115
Exons	10747..11250, 10760..10924, 10964..11128		
GI Descrip.	-		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o2.tc	Method	TBLASTX:Cress
Start	10864	End	11130
GI	none	Score	70
Exons	10864..11130, 10873..10941, 10883..11119		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o8.tm	Method	TBLASTX:Maize
Start	10951	End	11203
GI	none	Score	126
Exons	10951..11202, 10952..11203		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o4.tw	Method	TBLASTX:Wheat
Start	11899	End	12255
GI	none	Score	165
Exons	11899..12255, 11915..12238		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-

Start	9417	End	14101
Name	OJ990605_37.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	11908	End	12357
GI	none	Score	336
Exons	11908..12357		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	11929	End	12360
GI	none	Score	260
Exons	11929..12360		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	11936	End	12363
GI	none	Score	80
Exons	11936..12121, 11938..12252, 12274..12363		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o4.ts	Method	TBLASTX:Soybean
Start	12367	End	12768
GI	none	Score	77
Exons	12367..12540, 12562..12669, 12673..12768		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o7.tm	Method	TBLASTX:Maize
Start	12853	End	13155
GI	none	Score	63
Exons	12853..13155, 12886..13005, 12932..13150		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o2.tw	Method	TBLASTX:Wheat
Start	12862	End	13251
GI	none	Score	173
Exons	12862..13251, 12868..13140, 12965..13234		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101
Name	OJ990605_37.9922.C13.o5.tw	Method	TBLASTX:Wheat
Start	13438	End	13755
GI	none	Score	109
Exons	13438..13755, 13541..13750		

Seq. No.	22132	Seq. ID	OJ990605_37.9922.C13
Gene No.	46049	Strand	-
Start	9417	End	14101

Name	OJ990605_37.9922.C13.o6.tm	Method	TBLASTX:Maize
Start	13585	End	14005
GI	none	Score	118
Exons	13585..13785, 13589..13759, 13835..13888, 13925..14005		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46050	Strand	+
Start	97	End	255
Name	OJ990605_37.9922.C14.o1.gs	Method	GENSCAN
Start	97	End	255
GI	none	Score	.99
Exons	97..255		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46051	Strand	-
Start	2312	End	3111
Name	OJ990605_37.9922.C14.o1.gp	Method	AAT/GAP
Start	2312	End	3111
GI	none	Score	816
Exons	2312..2639, 2870..2928, 3071..3111		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46052	Strand	-
Start	3121	End	4108
Name	OJ990605_37.9922.C14.o2.gp	Method	AAT/GAP
Start	3121	End	4108
GI	7375_1.R1084	Score	1107
Exons	3121..3156, 3413..3458, 3566..4108		
GI Descrip.	'4049342/emb|CAA22567.1| 3.0e-14 (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]'		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46053	Strand	-
Start	8370	End	18873
Name	OJ990605_37.9922.C14.o4.gs	Method	GENSCAN
Start	8370	End	18873
GI	none	Score	.48
Exons	8370..8595, 8746..8771, 9238..9322, 9648..9791, 9865..9923, 9992..10298, 10822..10903, 10980..11113, 11198..11291, 11362..11638, 11747..11899, 12051..13285, 13821..14882, 15058..15987, 16364..16549, 16676..16795, 18354..18503, 18549..18873		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46053	Strand	-
Start	8370	End	18873
Name	OJ990605_37.9922.C14.o1.np	Method	AAT/NAP
Start	12003	End	16174
GI	6815072	Score	3469
Exons	12003..14213, 14610..14897, 14984..15682, 15791..16174		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46054	Strand	-
Start	19927	End	20718
Name	OJ990605_37.9922.C14.o5.gs	Method	GENSCAN

Start	19927	End	20718
GI	none	Score	.59
Exons	19927..20071, 20322..20361, 20409..20718		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o5.tm	Method	TBLASTX:Maize
Start	7301	End	7561
GI	none	Score	209
Exons	7301..7489, 7306..7452, 7496..7561		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	12096	End	12278
GI	none	Score	108
Exons	12096..12278, 12100..12276		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	12202	End	12524
GI	none	Score	44
Exons	12202..12282, 12204..12293, 12303..12524, 12304..12522		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	12270	End	12527
GI	none	Score	100
Exons	12270..12527, 12328..12516		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	12831	End	13199
GI	none	Score	126
Exons	12831..13199, 12955..13182, 13101..13199		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o4.tm	Method	TBLASTX:Maize
Start	14827	End	15293
GI	none	Score	69
Exons	14827..14910, 14828..14911, 14939..15097, 15101..15292, 15102..15293		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o1.tw	Method	TBLASTX:Wheat

Start	14976	End	15337
GI	none	Score	103
Exons	14976..15095, 15017..15115, 15113..15337, 15114..15284, 15122..15295		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	15356	End	16048
GI	none	Score	76
Exons	15356..15505, 15530..15880, 15534..15599, 15947..15979, 15989..16048		

Seq. No.	22133	Seq. ID	OJ990605_37.9922.C14
Gene No.	46055	Strand	-
Start	21569	End	21897
Name	OJ990605_37.9922.C14.o2.np	Method	AAT/NAP
Start	21569	End	21897
GI	2864612	Score	91
Exons	21569..21668, 21824..21897		
GI Descrip.	(AL021811) L-ascorbate peroxidase - like protein [Arabidopsis thaliana] gi|4049334|emb|CAA22559.1| (AL034567) L-ascorbate peroxidase-like protein [Arabidopsis thaliana]		

Seq. No.	22134	Seq. ID	OJ990605_37.9922.C17
Gene No.	46056	Strand	-
Start	1	End	607
Name	OJ990605_37.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	607
GI	2498930	Score	705
Exons	1..377, 544..607		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	22134	Seq. ID	OJ990605_37.9922.C17
Gene No.	46056	Strand	-
Start	1	End	607
Name	OJ990605_37.9922.C17.o1.gs	Method	GENSCAN
Start	75	End	603
GI	none	Score	.62
Exons	75..377, 544..603		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46057	Strand	+
Start	7329	End	7786
Name	OJ990605_36.9919.C1.o4.gp	Method	AAT/GAP
Start	7329	End	7786
GI	2231_2.R1084	Score	844
Exons	7329..7786		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46058	Strand	+
Start	7882	End	8770
Name	OJ990605_36.9919.C1.o5.gp	Method	AAT/GAP

Start	7882	End	8770
GI	7587_1.R1084	Score	1667
Exons	7882..8770		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46059	Strand	+
Start	8833	End	10111
Name	OJ990605_36.9919.C1.o7.gp	Method	AAT/GAP
Start	8833	End	10111
GI	306_9.R1084	Score	239
Exons	8833..8860, 9937..10111		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46060	Strand	+
Start	13853	End	13963
Name	OJ990605_36.9919.C1.o8.gp	Method	AAT/GAP
Start	13853	End	13963
GI	1036999	Score	189
Exons	13853..13963		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46061	Strand	+
Start	14037	End	14182
Name	OJ990605_36.9919.C1.o9.gp	Method	AAT/GAP
Start	14037	End	14182
GI	LIB3432-021-P1-K1-A3	Score	213
Exons	14037..14182		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46062	Strand	+
Start	27670	End	28212
Name	OJ990605_36.9919.C1.o12.gp	Method	AAT/GAP
Start	27670	End	28212
GI	42732_1.R1084	Score	1070
Exons	27670..28212		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46063	Strand	+
Start	28253	End	28623
Name	OJ990605_36.9919.C1.o13.gp	Method	AAT/GAP
Start	28253	End	28623
GI	LIB3477-011-P1-K1-C10	Score	734

Exons	28253..28623		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46064	Strand	+
Start	31522	End	32068
Name	OJ990605_36.9919.C1.o16.gp	Method	AAT/GAP
Start	31522	End	32068
GI	5005311	Score	1047
Exons	31522..32068		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46065	Strand	+
Start	32647	End	33063
Name	OJ990605_36.9919.C1.o17.gp	Method	AAT/GAP
Start	32647	End	33063
GI	LIB3431-040-P1-K2-C1	Score	734
Exons	32647..33063		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46066	Strand	+
Start	38676	End	38934
Name	OJ990605_36.9919.C1.o19.gp	Method	AAT/GAP
Start	38676	End	38934
GI	uC-osf1M202088b07a1	Score	514
Exons	38676..38934		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46067	Strand	+
Start	44460	End	44521
Name	OJ990605_36.9919.C1.o21.gp	Method	AAT/GAP
Start	44460	End	44521
GI	56420_1.R1084	Score	88
Exons	44460..44521		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46068	Strand	+
Start	51357	End	52086

Name	OJ990605_36.9919.C1.o24.gp	Method	AAT/GAP
Start	51357	End	52086
GI	24824_1.R1084	Score	1379
Exons	51357..52086		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46069	Strand	+
Start	52183	End	53008
Name	OJ990605_36.9919.C1.o25.gp	Method	AAT/GAP
Start	52183	End	53008
GI	14384_1.R1084	Score	1358
Exons	52183..52894, 52980..53008		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46070	Strand	+
Start	54824	End	55447
Name	OJ990605_36.9919.C1.o26.gp	Method	AAT/GAP
Start	54824	End	55447
GI	7528_2.R1084	Score	1143
Exons	54824..55447		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46071	Strand	+
Start	56858	End	57299
Name	OJ990605_36.9919.C1.o28.gp	Method	AAT/GAP
Start	56858	End	57299
GI	uC-osf1M202092b08b1	Score	831
Exons	56858..57299		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46072	Strand	+
Start	61864	End	62386
Name	OJ990605_36.9919.C1.o29.gp	Method	AAT/GAP
Start	61864	End	62386
GI	uC-osflm202104g03b1	Score	1026
Exons	61864..62386		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46073	Strand	+

Start	65930	End	66058
Name	OJ990605_36.9919.C1.o31.gp	Method	AAT/GAP
Start	65930	End	66058
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	65930..66058		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46074	Strand	+
Start	66608	End	67160
Name	OJ990605_36.9919.C1.o32.gp	Method	AAT/GAP
Start	66608	End	67160
GI	2896_1.R1084	Score	1023
Exons	66608..67160		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46075	Strand	-
Start	943	End	1211
Name	OJ990605_36.9919.C1.o1.gp	Method	AAT/GAP
Start	943	End	1211
GI	40596_1.R1084	Score	450
Exons	943..1211		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46076	Strand	-
Start	1805	End	3051
Name	OJ990605_36.9919.C1.o2.gp	Method	AAT/GAP
Start	1805	End	3051
GI	uC-osflcyp086a01a1	Score	831
Exons	1805..1995, 2806..3051		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46077	Strand	-
Start	3132	End	3582
Name	OJ990605_36.9919.C1.o3.gp	Method	AAT/GAP
Start	3132	End	3582
GI	uC-osflcyp086a01b1	Score	902
Exons	3132..3582		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46078	Strand	-
Start	9088	End	9546

Name	OJ990605_36.9919.C1.o6.gp	Method	AAT/GAP
Start	9088	End	9546
GI	45273_1.R1084	Score	850
Exons	9088..9546		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46079	Strand	-
Start	16266	End	16396
Name	OJ990605_36.9919.C1.o10.gp	Method	AAT/GAP
Start	16266	End	16396
GI	5607624	Score	215
Exons	16266..16396		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46080	Strand	-
Start	23618	End	23703
Name	OJ990605_36.9919.C1.o11.gp	Method	AAT/GAP
Start	23618	End	23703
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	23618..23703		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46081	Strand	-
Start	29288	End	30328
Name	OJ990605_36.9919.C1.o14.gp	Method	AAT/GAP
Start	29288	End	30328
GI	2721_1.R1084	Score	1986
Exons	29288..30328		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46082	Strand	-
Start	30366	End	30911
Name	OJ990605_36.9919.C1.o15.gp	Method	AAT/GAP
Start	30366	End	30911
GI	2135_1.R1084	Score	1072
Exons	30366..30911		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46083	Strand	-
Start	35300	End	35730
Name	OJ990605_36.9919.C1.o18.gp	Method	AAT/GAP
Start	35300	End	35730

GI	uC-osflcyp021g10b1	Score	766
Exons	35300..35730		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46084	Strand	-
Start	42612	End	42727
Name	OJ990605_36.9919.C1.o20.gp	Method	AAT/GAP
Start	42612	End	42727
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	42612..42727		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46085	Strand	-
Start	46564	End	47533
Name	OJ990605_36.9919.C1.o22.gp	Method	AAT/GAP
Start	46564	End	47533
GI	2409_1.R1084	Score	1911
Exons	46564..47533		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46086	Strand	-
Start	50376	End	50893
Name	OJ990605_36.9919.C1.o23.gp	Method	AAT/GAP
Start	50376	End	50893
GI	uC-osflM202083h12b1	Score	953
Exons	50376..50893		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46087	Strand	-
Start	55451	End	55988
Name	OJ990605_36.9919.C1.o27.gp	Method	AAT/GAP
Start	55451	End	55988
GI	2653_1.R1084	Score	1052
Exons	55451..55988		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o31.ts	Method	TBLASTX:Soybean
Start	3	End	495

GI	none	Score	76
Exons	3..146, 5..139, 153..227, 160..213, 216..347, 218..349, 242..352, 364..495		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o50.tc	Method	TBLASTX:Cress
Start	81	End	495
GI	none	Score	83
Exons	81..221, 82..207, 195..347, 223..345, 242..352, 243..350, 380..493, 381..494, 382..495, 382..495		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o48.tc	Method	TBLASTX:Cress
Start	683	End	1230
GI	none	Score	49
Exons	683..733, 688..735, 695..736, 737..778, 737..775, 738..782, 748..783, 876..959, 877..963, 883..975, 887..1000, 982..1026, 1051..1092, 1052..1090, 1066..1092, 1079..1222, 1081..1230, 1081..1221		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o44.tm	Method	TBLASTX:Maize
Start	935	End	1195
GI	none	Score	122
Exons	935..958, 947..1024, 955..1050, 995..1195, 1015..1194		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o64.tm	Method	TBLASTX:Maize
Start	1196	End	1570
GI	none	Score	68
Exons	1196..1237, 1197..1238, 1198..1239, 1235..1276, 1236..1301, 1290..1328, 1293..1331, 1304..1342, 1315..1392, 1316..1396, 1332..1391, 1333..1395, 1390..1434, 1414..1512, 1424..1519, 1425..1520, 1461..1520, 1517..1570		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o25.ts	Method	TBLASTX:Soybean
Start	1799	End	56358
GI	none	Score	211
Exons	1799..1999, 1800..1994, 1816..1998, 2772..2858, 2780..2860, 2790..2873, 2797..2874, 2806..2877, 2898..2918, 2899..2922, 53867..54088, 53926..54045, 54548..54685, 54550..54639, 54560..54646, 54561..54647, 55007..55168, 55012..55152, 55156..55359, 55164..55205, 55190..55405, 55190..55402, 55425..55487, 55428..55487, 55436..55492, 55514..55573, 55514..55591, 55887..55955, 55899..55958, 55901..55963, 55980..56354, 55984..56358, 55990..56094, 56010..56357,		

56173..56358

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o53.tc	Method	TBLASTX:Cress
Start	1874	End	2061
GI	none	Score	204
Exons	1874..2053, 1875..2060, 1966..2061		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o24.tm	Method	TBLASTX:Maize
Start	2402	End	3031
GI	none	Score	113
Exons	2402..2497, 2403..2486, 2489..2632, 2509..2676, 2542..2679, 2556..2690, 2652..2930, 2664..2924, 2678..2932, 2917..2955, 2920..2952, 2953..3003, 2954..2986, 2981..3028, 2987..3031		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o29.tw	Method	TBLASTX:Wheat
Start	3817	End	4192
GI	none	Score	154
Exons	3817..4005, 3906..4004, 3908..4009, 4114..4188, 4118..4192, 4118..4189		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o13.tm	Method	TBLASTX:Maize
Start	4102	End	4668
GI	none	Score	198
Exons	4102..4230, 4109..4255, 4110..4259, 4248..4562, 4253..4561, 4375..4566, 4565..4630, 4566..4628, 4568..4630, 4616..4666, 4616..4666, 4627..4668		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o2.tc	Method	TBLASTX:Cress
Start	4238	End	67526
GI	none	Score	78
Exons	4238..4411, 7182..8018, 7182..7469, 7186..7677, 7524..8120, 7528..8112, 7726..8622, 7733..8623, 67365..67526		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o2.tw	Method	TBLASTX:Wheat
Start	4238	End	8358
GI	none	Score	75
Exons	4238..4411, 7725..8018, 7725..8120, 7726..8112, 7726..8259, 7733..8260, 8160..8264, 8166..8279, 8179..8280, 8223..8357, 8239..8358, 8240..8356		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o3.ts	Method	TBLASTX:Soybean
Start	4238	End	67526
GI	none	Score	76
Exons	4238..4411, 7162..8106, 7162..7677, 7511..7678, 7524..8120, 7718..8638, 7733..8656, 67365..67526		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o37.ts	Method	TBLASTX:Soybean
Start	4412	End	5149
GI	none	Score	154
Exons	4412..4531, 4414..4515, 4883..5011, 4884..5012, 4884..5009, 4885..5013, 5054..5149		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o59.tm	Method	TBLASTX:Maize
Start	4669	End	4876
GI	none	Score	86
Exons	4669..4737, 4671..4739, 4728..4784, 4738..4803, 4739..4795, 4764..4874, 4769..4876, 4778..4876		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o57.tc	Method	TBLASTX:Cress
Start	4869	End	5149
GI	none	Score	215
Exons	4869..5012, 4882..5025, 4882..5025, 5123..5149, 5123..5149		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o38.tm	Method	TBLASTX:Maize
Start	5221	End	5649
GI	none	Score	95
Exons	5221..5286, 5222..5287, 5223..5288, 5272..5331, 5273..5329, 5277..5351, 5278..5382, 5357..5386, 5387..5503, 5388..5525, 5405..5527, 5483..5545, 5483..5545, 5552..5647, 5552..5632, 5554..5649, 5554..5649		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o20.tw	Method	TBLASTX:Wheat
Start	5326	End	5881
GI	none	Score	57
Exons	5326..5385, 5357..5386, 5375..5467, 5380..5466, 5388..5468, 5388..5471, 5442..5513, 5460..5501, 5462..5551, 5462..5512, 5471..5545, 5487..5558, 5550..5675, 5552..5665, 5644..5838, 5662..5802, 5691..5813, 5762..5848, 5807..5881		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o60.tm	Method	TBLASTX:Maize
Start	5651	End	5891
GI	none	Score	181
Exons	5651..5788, 5662..5787, 5662..5790, 5792..5836, 5795..5848, 5797..5838, 5826..5891, 5828..5881		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o25.tw	Method	TBLASTX:Wheat
Start	5882	End	6255
GI	none	Score	44
Exons	5882..5914, 5885..5932, 5890..5931, 5904..5933, 5924..5980, 5934..5981, 5937..5981, 5938..5982, 5939..5983, 5970..5996, 5975..6010, 5981..6103, 5982..6107, 5983..6108, 5983..6108, 6106..6123, 6135..6251, 6135..6212, 6139..6255, 6139..6255		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o7.ts	Method	TBLASTX:Soybean
Start	6133	End	6955
GI	none	Score	1367
Exons	6133..6954, 6135..6953, 6137..6955		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o16.tc	Method	TBLASTX:Cress
Start	6195	End	6567
GI	none	Score	447
Exons	6195..6566, 6195..6566, 6196..6567, 6196..6567		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o21.tm	Method	TBLASTX:Maize
Start	6507	End	6929
GI	none	Score	671
Exons	6507..6929, 6508..6927		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o21.tc	Method	TBLASTX:Cress
Start	6651	End	6980
GI	none	Score	521
Exons	6651..6980, 6655..6978		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o8.tw	Method	TBLASTX:Wheat

Start	6721	End	7164
GI	none	Score	43
Exons	6721..6756, 6741..7163, 6742..7164, 6748..7164		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o14.tm	Method	TBLASTX:Maize
Start	7223	End	7674
GI	none	Score	754
Exons	7223..7474, 7225..7674, 7226..7672		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o14.tw	Method	TBLASTX:Wheat
Start	7326	End	7725
GI	none	Score	578
Exons	7326..7469, 7327..7668, 7328..7723, 7511..7672, 7524..7724, 7528..7725		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o15.tm	Method	TBLASTX:Maize
Start	7710	End	8196
GI	none	Score	626
Exons	7710..8117, 7711..8106, 7715..8194, 7733..8194, 8041..8196		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o20.tm	Method	TBLASTX:Maize
Start	8196	End	67526
GI	none	Score	668
Exons	8196..8630, 8197..8616, 8197..8631, 8198..8632, 8627..8659, 8628..8657, 67365..67526		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o21.tw	Method	TBLASTX:Wheat
Start	8359	End	67526
GI	none	Score	390
Exons	8359..8616, 8361..8657, 8361..8657, 8628..8711, 8650..8721, 8651..8722, 67365..67526		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o29.ts	Method	TBLASTX:Soybean
Start	8849	End	9426
GI	none	Score	76
Exons	8849..8905, 8851..8910, 8851..8910, 8899..8928, 8900..8932, 9103..9150, 9194..9418, 9202..9426, 9202..9414		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1

Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o27.tm	Method	TBLASTX:Maize
Start	8896	End	9526
GI	none	Score	77
Exons	8896..8985, 8897..8944, 8956..8994, 9083..9181, 9097..9183, 9098..9181, 9102..9200, 9138..9452, 9148..9453, 9182..9454, 9184..9456, 9467..9511, 9472..9510, 9485..9526		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o43.tc	Method	TBLASTX:Cress
Start	8897	End	9426
GI	none	Score	45
Exons	8897..8935, 8976..9044, 9007..9039, 9105..9152, 9105..9134, 9197..9421, 9202..9426, 9202..9414, 9203..9415, 9210..9425		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o63.tm	Method	TBLASTX:Maize
Start	9924	End	33553
GI	none	Score	44
Exons	9924..9950, 10074..10151, 10078..10233, 10080..10235, 10081..10236, 33474..33536, 33475..33540, 33478..33546, 33491..33553		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o52.tm	Method	TBLASTX:Maize
Start	10765	End	11037
GI	none	Score	86
Exons	10765..10833, 10766..10855, 10815..10919, 10823..10960, 10823..10963, 10825..11004, 10952..11035, 10953..11036, 10954..11037, 10954..11037		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o57.tm	Method	TBLASTX:Maize
Start	11972	End	12175
GI	none	Score	106
Exons	11972..12046, 11974..12045, 12032..12175, 12040..12165		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o60.tc	Method	TBLASTX:Cress
Start	13030	End	13167
GI	none	Score	191
Exons	13030..13167, 13030..13167		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o54.tm	Method	TBLASTX:Maize
Start	13036	End	13308
GI	none	Score	250
Exons	13036..13200, 13036..13218, 13037..13219, 13059..13226, 13264..13308, 13264..13302		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o61.tc	Method	TBLASTX:Cress
Start	13814	End	14136
GI	none	Score	41
Exons	13814..13861, 13926..13973, 13927..13974, 13963..14109, 13965..14084, 13975..14136		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o19.tm	Method	TBLASTX:Maize
Start	13887	End	14459
GI	none	Score	44
Exons	13887..13913, 13887..13913, 13888..13926, 13888..13935, 13922..13969, 13923..13970, 13924..13974, 13959..14135, 13963..14136, 13967..14143, 13969..14136, 14112..14342, 14114..14341, 14151..14219, 14172..14225, 14174..14221, 14334..14378, 14337..14381, 14364..14453, 14370..14459		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o31.tw	Method	TBLASTX:Wheat
Start	13926	End	14124
GI	none	Score	50
Exons	13926..13973, 13927..13974, 13963..14124, 13965..14084, 13975..14118		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o27.tw	Method	TBLASTX:Wheat
Start	14172	End	14756
GI	none	Score	86
Exons	14172..14243, 14172..14219, 14173..14244, 14174..14221, 14240..14266, 14242..14262, 14265..14345, 14277..14408, 14316..14396, 14500..14595, 14505..14582, 14573..14614, 14707..14748, 14709..14756		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o39.ts	Method	TBLASTX:Soybean
Start	14828	End	14965
GI	none	Score	128
Exons	14828..14956, 14843..14965		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-

Start	64702	End	67526
Name	OJ990605_36.9919.C1.o28.tc	Method	TBLASTX:Cress
Start	16318	End	16888
GI	none	Score	38
Exons	16318..16353, 16323..16352, 16370..16444, 16371..16445, 16495..16767, 16503..16769, 16503..16766, 16505..16768, 16770..16886, 16771..16881, 16781..16888, 16781..16888		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o28.ts	Method	TBLASTX:Soybean
Start	16362	End	16768
GI	none	Score	51
Exons	16362..16436, 16365..16469, 16382..16456, 16384..16479, 16473..16766, 16475..16768, 16504..16767		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o28.tm	Method	TBLASTX:Maize
Start	16383	End	16781
GI	none	Score	542
Exons	16383..16781, 16385..16780		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o46.tm	Method	TBLASTX:Maize
Start	16782	End	16975
GI	none	Score	304
Exons	16782..16967, 16782..16973, 16784..16972, 16784..16975		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o26.tc	Method	TBLASTX:Cress
Start	16968	End	17329
GI	none	Score	483
Exons	16968..17327, 16970..17329, 16970..17284, 16984..17328		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o11.ts	Method	TBLASTX:Soybean
Start	17010	End	17841
GI	none	Score	568
Exons	17010..17414, 17012..17284, 17014..17415, 17152..17415, 17274..17420, 17415..17564, 17416..17571, 17438..17581, 17585..17839, 17597..17839, 17610..17840, 17623..17841		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o38.tc	Method	TBLASTX:Cress
Start	17330	End	17696
GI	none	Score	88

Exons	17330..17410, 17330..17377, 17337..17414, 17337..17420, 17338..17454, 17394..17576, 17415..17564, 17419..17577, 17420..17581, 17438..17581, 17585..17692, 17585..17692, 17610..17696, 17638..17694		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o16.ts	Method	TBLASTX:Soybean
Start	17938	End	18482
GI	none	Score	227
Exons	17938..18117, 17946..18098, 17948..18118, 17961..18128, 18080..18262, 18095..18262, 18099..18284, 18255..18293, 18304..18441, 18308..18460, 18308..18442, 18309..18482, 18315..18479		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o41.tc	Method	TBLASTX:Cress
Start	18029	End	18224
GI	none	Score	175
Exons	18029..18223, 18029..18223, 18030..18224		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o23.ts	Method	TBLASTX:Soybean
Start	18682	End	19097
GI	none	Score	105
Exons	18682..18909, 18687..18911, 18689..18907, 18926..19054, 18926..19060, 18930..19064, 18931..19074, 19061..19096, 19062..19097		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o56.tm	Method	TBLASTX:Maize
Start	18875	End	19478
GI	none	Score	153
Exons	18875..19114, 18930..19217, 19287..19478		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o42.tc	Method	TBLASTX:Cress
Start	18930	End	19487
GI	none	Score	155
Exons	18930..19217, 18968..19114, 19287..19487		
Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o9.ts	Method	TBLASTX:Soybean
Start	19400	End	20216
GI	none	Score	437
Exons	19400..19612, 19401..19733, 19473..19760, 19588..19761,		

19742..19861, 19759..20211, 19761..20216, 19762..20211,
19802..20215

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o27.tc	Method	TBLASTX:Cress
Start	19500	End	19899
GI	none	Score	323
Exons	19500..19739, 19506..19739, 19597..19761, 19768..19899, 19770..19898, 19771..19899		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o45.tc	Method	TBLASTX:Cress
Start	20194	End	20475
GI	none	Score	270
Exons	20194..20475, 20202..20420		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o34.ts	Method	TBLASTX:Soybean
Start	20301	End	20754
GI	none	Score	43
Exons	20301..20360, 20332..20361, 20362..20487, 20362..20436, 20458..20562, 20475..20714, 20484..20669, 20497..20709, 20710..20754, 20713..20751		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o24.tc	Method	TBLASTX:Cress
Start	20564	End	20985
GI	none	Score	52
Exons	20564..20611, 20565..20669, 20581..20985, 20620..20985		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o7.tc	Method	TBLASTX:Cress
Start	20997	End	21741
GI	none	Score	377
Exons	20997..21428, 20997..21437, 20998..21444, 21082..21438, 21491..21739, 21505..21741, 21507..21740		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o21.ts	Method	TBLASTX:Soybean
Start	21271	End	21713
GI	none	Score	218
Exons	21271..21438, 21287..21436, 21306..21437, 21479..21709, 21489..21626, 21496..21711, 21507..21713		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1

Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o47.tm	Method	TBLASTX:Maize
Start	21382	End	21715
GI	none	Score	82
Exons	21382..21438, 21384..21437, 21479..21715, 21489..21626, 21496..21714		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o2.ts	Method	TBLASTX:Soybean
Start	21714	End	24676
GI	none	Score	99
Exons	21714..21788, 21718..21792, 21721..21792, 21917..21964, 21921..21965, 21983..22015, 22013..22720, 22014..22373, 22015..22722, 22716..22841, 22717..22866, 22718..22846, 22853..22915, 22859..23467, 22874..22918, 22894..23457, 22915..23604, 22916..23605, 23076..23606, 23485..23607, 23495..23620, 23609..23665, 23612..23761, 23619..23762, 23620..23823, 23731..23901, 23756..23899, 23772..23900, 24327..24611, 24328..24609, 24401..24676		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o50.tm	Method	TBLASTX:Maize
Start	21717	End	22213
GI	none	Score	140
Exons	21717..21818, 21718..21822, 21718..21819, 21917..21964, 21921..21965, 21983..22015, 22013..22213, 22015..22212		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o64.tc	Method	TBLASTX:Cress
Start	21753	End	22105
GI	none	Score	81
Exons	21753..21818, 21754..21810, 21926..21976, 21930..21977, 22016..22105, 22018..22104		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o20.tc	Method	TBLASTX:Cress
Start	22108	End	22501
GI	none	Score	595
Exons	22108..22500, 22109..22501		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o12.tw	Method	TBLASTX:Wheat
Start	22801	End	23244
GI	none	Score	182
Exons	22801..22914, 22801..22914, 22802..22915, 22893..23243, 22894..23244, 22915..23244		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o22.tc	Method	TBLASTX:Cress
Start	22945	End	23361
GI	none	Score	394
Exons	22945..23355, 22946..23359, 22950..23357, 22951..23361		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o34.tc	Method	TBLASTX:Cress
Start	23376	End	23891
GI	none	Score	158
Exons	23376..23573, 23376..23594, 23377..23613, 23377..23598, 23635..23889, 23700..23882, 23745..23891		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o48.tm	Method	TBLASTX:Maize
Start	23871	End	24232
GI	none	Score	138
Exons	23871..23993, 23878..24018, 23880..23993, 23887..23994, 23890..23964, 23891..23938, 23892..23963, 23908..23964, 23914..24024, 23918..24016, 23922..23969, 23923..24018, 23923..24024, 23927..24028, 23953..24027, 23956..24015, 23960..24046, 23960..24067, 23981..24067, 23999..24055, 24002..24055, 24008..24106, 24008..24055, 24008..24106, 24008..24055, 24050..24214, 24050..24214, 24056..24211, 24074..24229, 24077..24211, 24085..24129, 24092..24232, 24092..24115, 24113..24145, 24119..24184, 24133..24177, 24134..24184, 24136..24213, 24137..24223, 24142..24186, 24170..24232, 24190..24228, 24193..24231		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o8.tm	Method	TBLASTX:Maize
Start	24233	End	25044
GI	none	Score	46
Exons	24233..24271, 24266..24631, 24296..24349, 24297..24632, 24298..25044, 24298..24630, 24324..25043, 24706..25044		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o46.tc	Method	TBLASTX:Cress
Start	24275	End	24573
GI	none	Score	66
Exons	24275..24382, 24297..24572, 24298..24573, 24298..24570, 24327..24572		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o5.tw	Method	TBLASTX:Wheat
Start	24498	End	25117
GI	none	Score	42
Exons	24498..24569, 24509..24547, 24535..24795, 24542..24703, 24696..25112, 24696..25115, 24697..25116, 24698..25117		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o31.tc	Method	TBLASTX:Cress
Start	24574	End	25281
GI	none	Score	55
Exons	24574..24609, 24608..24697, 24616..24693, 24685..24951, 24711..24932, 24719..24979, 24945..25049, 24945..25052, 24946..25281, 24946..25077, 25135..25272, 25137..25280		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o5.tc	Method	TBLASTX:Cress
Start	25351	End	26496
GI	none	Score	47
Exons	25351..25407, 25359..25451, 25513..25569, 25516..25560, 25564..25638, 25572..25628, 25650..26375, 25651..26382, 26179..26382, 26440..26496, 26442..26495		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o8.ts	Method	TBLASTX:Soybean
Start	25486	End	26561
GI	none	Score	143
Exons	25486..25641, 25507..25641, 25650..26027, 25650..26375, 25651..26442, 26311..26439, 26312..26443, 26422..26484, 26429..26497, 26429..26497, 26442..26501, 26454..26561		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o61.tm	Method	TBLASTX:Maize
Start	25756	End	25893
GI	none	Score	215
Exons	25756..25893, 25756..25893		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o36.tm	Method	TBLASTX:Maize
Start	26082	End	26376
GI	none	Score	67
Exons	26082..26171, 26090..26137, 26118..26375, 26118..26375, 26119..26376, 26176..26376		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o11.tw	Method	TBLASTX:Wheat

Start	26133	End	26541
GI	none	Score	632
Exons	26133..26540, 26137..26541, 26176..26541		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o22.tm	Method	TBLASTX:Maize
Start	26377	End	27037
GI	none	Score	276
Exons	26377..26550, 26378..26548, 26545..26577, 26546..26578, 26547..26585, 26583..26624, 26589..26624, 26632..26697, 26632..26697, 26683..26727, 26689..26781, 26697..26759, 26699..26782, 26821..26997, 26831..27016, 26834..27016, 27011..27037, 27011..27037		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o18.tc	Method	TBLASTX:Cress
Start	26696	End	27318
GI	none	Score	35
Exons	26696..26716, 26697..26714, 26831..27205, 26833..27207, 26834..27208, 27203..27316, 27205..27318		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o5.ts	Method	TBLASTX:Soybean
Start	26698	End	50405
GI	none	Score	530
Exons	26698..26721, 26829..27527, 26831..27520, 26833..27549, 26834..27544, 27102..27554, 27560..27601, 27785..28534, 27786..28385, 28440..28535, 29167..29229, 29254..29322, 29299..29586, 29312..29584, 29444..29590, 29611..29679, 30015..30194, 30019..30195, 30019..30195, 30024..30197, 30275..30298, 30286..30345, 30288..30359, 30291..30344, 30292..30345, 30351..30404, 30352..30405, 30355..30402, 30390..30443, 30392..30475, 30412..30483, 30436..30480, 30483..30542, 30502..30549, 30502..30543, 30571..30639, 30574..30645, 30581..30640, 30730..30747, 30829..30870, 30836..30865, 30906..31406, 30910..31404, 31426..31461, 31466..32029, 31477..32376, 31656..32309, 32140..32310, 32307..32375, 32311..32367, 50046..50405		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o30.tm	Method	TBLASTX:Maize
Start	27038	End	27322
GI	none	Score	475
Exons	27038..27322, 27038..27322		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o13.tc	Method	TBLASTX:Cress

Start	27774	End	28286
GI	none	Score	58
Exons	27774..27824, 27781..27822, 27812..28261, 27825..28286, 27827..28285		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o41.tm	Method	TBLASTX:Maize
Start	28181	End	28443
GI	none	Score	327
Exons	28181..28441, 28181..28387, 28183..28443, 28216..28443		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o45.tm	Method	TBLASTX:Maize
Start	28444	End	28787
GI	none	Score	172
Exons	28444..28566, 28445..28561, 28449..28565, 28450..28566, 28553..28687, 28559..28702, 28561..28731, 28578..28715, 28696..28719, 28718..28759, 28719..28760, 28762..28785, 28764..28787		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o10.tm	Method	TBLASTX:Maize
Start	28874	End	29809
GI	none	Score	186
Exons	28874..29041, 28889..28918, 28911..29042, 29007..29042, 29018..29098, 29051..29149, 29080..29151, 29090..29152, 29126..29218, 29151..29222, 29152..29223, 29154..29222, 29227..29268, 29227..29265, 29254..29310, 29255..29311, 29264..29311, 29272..29313, 29292..29378, 29303..29674, 29305..29673, 29443..29697, 29681..29725, 29683..29727, 29711..29809, 29724..29807, 29726..29809		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o37.tc	Method	TBLASTX:Cress
Start	29278	End	29584
GI	none	Score	328
Exons	29278..29574, 29279..29584, 29444..29584		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o3.tm	Method	TBLASTX:Maize
Start	29812	End	31478
GI	none	Score	200
Exons	29812..29976, 29812..29913, 29904..29936, 29949..30263, 29961..30263, 29962..30264, 29969..30265, 30223..30348, 30233..30346, 30235..30348, 30348..30440, 30349..30465, 30349..30477, 30356..30487, 30427..30573, 30469..30573, 30483..30578, 30566..30643, 30567..30647, 30574..30651,		

30604..30714, 30607..30720, 30635..30736, 30658..30873,
30694..30819, 30719..30865, 30822..30908, 30876..31406,
30895..31416, 31135..31416, 31411..31464, 31411..31470,
31416..31478

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o19.tc	Method	TBLASTX:Cress
Start	30078	End	31698
GI	none	Score	129

Exons 30078..30176, 30087..30176, 31002..31376, 31002..31406,
31003..31413, 31466..31690, 31480..31698, 31501..31698

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o15.tw	Method	TBLASTX:Wheat
Start	30195	End	30672
GI	none	Score	183

Exons 30195..30311, 30196..30315, 30196..30315, 30312..30359,
30312..30350, 30348..30440, 30349..30471, 30350..30472,
30446..30556, 30474..30557, 30475..30558, 30475..30555,
30555..30641, 30558..30638, 30559..30645, 30568..30672,
30635..30670

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o9.tw	Method	TBLASTX:Wheat
Start	30894	End	31339
GI	none	Score	120

Exons 30894..30980, 30895..30978, 30908..30988, 30912..30980,
30984..31334, 30986..31324, 30989..31339

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o6.tm	Method	TBLASTX:Maize
Start	31687	End	50454
GI	none	Score	148

Exons 31687..32058, 49138..49278, 49143..49280, 49278..49925,
49281..49529, 49282..49914, 49569..49925, 49926..50168,
49944..50435, 50035..50454

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o1.tc	Method	TBLASTX:Cress
Start	31699	End	50613
GI	none	Score	129

Exons 31699..32058, 48701..48787, 48711..48941, 48712..48951,
48777..48941, 48784..48945, 48872..48955, 48922..49296,
48943..49278, 49244..49279, 49278..50612, 49279..49950,
49280..50287, 49575..50366, 50035..50613

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1

Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o6.tw	Method	TBLASTX:Wheat
Start	31774	End	50339
GI	none	Score	133
Exons	31774..32070, 49644..49925, 49645..49914, 49650..49919, 49944..50006, 50013..50051, 50062..50331, 50076..50339		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o54.tc	Method	TBLASTX:Cress
Start	32335	End	32475
GI	none	Score	229
Exons	32335..32475, 32337..32474		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o20.ts	Method	TBLASTX:Soybean
Start	32606	End	33036
GI	none	Score	457
Exons	32606..32992, 32607..33029, 32607..33029, 32791..33036		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o33.tc	Method	TBLASTX:Cress
Start	32606	End	33239
GI	none	Score	431
Exons	32606..32992, 32607..33035, 32616..33035, 32800..33036, 33163..33228, 33167..33238, 33167..33235, 33168..33239		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o25.tc	Method	TBLASTX:Cress
Start	33497	End	34179
GI	none	Score	86
Exons	33497..33580, 33498..33578, 33606..33803, 33608..33808, 33609..33803, 33822..33953, 33857..33925, 34068..34178, 34069..34179, 34094..34177		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o1.ts	Method	TBLASTX:Soybean
Start	33825	End	37559
GI	none	Score	117
Exons	33825..33971, 33857..33922, 33892..33933, 34044..35306, 34045..34557, 34094..35341, 34094..35341, 36322..36414, 36426..36569, 36444..36533, 36573..36653, 36697..37038, 36720..37034, 37089..37133, 37155..37559, 37159..37260		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	33843	End	37805
GI	none	Score	164
Exons	33843..33941, 33857..33940, 33942..33959, 33943..33969, 34001..34048, 34002..34055, 34003..34059, 34053..35306, 34057..34557, 34082..35494, 34094..35626, 35263..35616, 35544..35627, 35592..35687, 35597..35704, 35602..35682, 35606..35686, 36426..36569, 36573..36653, 36720..36902, 36720..37034, 36721..37038, 37089..37133, 37155..37559, 37159..37572, 37324..37560, 37566..37805, 37590..37715		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o6.tc	Method	TBLASTX:Cress
Start	34220	End	36924
GI	none	Score	266
Exons	34220..34387, 34221..34385, 34225..34386, 34381..34557, 34386..34766, 34388..34768, 34389..34769, 36438..36569, 36444..36542, 36579..36653, 36720..36905, 36720..36923, 36721..36924		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o3.tc	Method	TBLASTX:Cress
Start	34871	End	38127
GI	none	Score	34
Exons	34871..34900, 34874..34918, 34922..35155, 34925..35329, 34929..35279, 35342..35488, 35343..35495, 35666..35797, 35807..35911, 36924..38126, 36961..38127, 36976..38127		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o15.ts	Method	TBLASTX:Soybean
Start	35341	End	38007
GI	none	Score	163
Exons	35341..35601, 35342..35494, 35342..35815, 35343..35495, 35344..35496, 35539..35592, 35544..35816, 35549..35818, 35629..35826, 35629..35817, 37566..37736, 37567..37737, 37740..37787, 37893..38006, 37894..38007		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o59.tc	Method	TBLASTX:Cress
Start	35496	End	35666
GI	none	Score	141
Exons	35496..35654, 35498..35659, 35521..35655, 35543..35665, 35544..35666		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o31.tm	Method	TBLASTX:Maize
Start	35705	End	38138

GI	none	Score	384
Exons	35705..35998, 35705..35998, 35706..35999, 37893..38015, 37915..38007, 38022..38138		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o24.ts	Method	TBLASTX:Soybean
Start	35829	End	38258
GI	none	Score	351
Exons	35829..36074, 35829..35924, 35858..36073, 38022..38138, 38205..38258		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o15.tc	Method	TBLASTX:Cress
Start	35915	End	38429
GI	none	Score	75
Exons	35915..36034, 35916..36035, 35984..36409, 35985..36434, 35988..36434, 35998..36435, 36013..36435, 38217..38363, 38358..38429		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o7.tm	Method	TBLASTX:Maize
Start	35999	End	39277
GI	none	Score	742
Exons	35999..36157, 36155..36226, 38147..38599, 38147..38482, 38148..38627, 38149..38604, 38574..38687, 38590..38634, 38597..38674, 38649..38777, 38663..38779, 38669..38785, 38780..38809, 38781..38810, 38823..38873, 38826..38873, 38851..38955, 38865..38954, 38888..38968, 38952..39023, 38953..39009, 38957..39010, 39004..39084, 39006..39086, 39006..39086, 39114..39266, 39126..39263, 39130..39270, 39131..39277		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o18.ts	Method	TBLASTX:Soybean
Start	36074	End	38698
GI	none	Score	365
Exons	36074..36157, 36155..36226, 38280..38597, 38280..38615, 38284..38616, 38287..38616, 38669..38698		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o39.tc	Method	TBLASTX:Cress
Start	38430	End	38698
GI	none	Score	234
Exons	38430..38597, 38430..38597, 38431..38598, 38437..38598, 38592..38675, 38669..38698		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1

Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o36.ts	Method	TBLASTX:Soybean
Start	39156	End	40146
GI	none	Score	149
Exons	39156..39311, 39157..39312, 39160..39312, 39197..39322, 39999..40145, 40028..40144, 40030..40146, 40036..40146		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o51.tc	Method	TBLASTX:Cress
Start	39207	End	39538
GI	none	Score	136
Exons	39207..39347, 39207..39335, 39214..39351, 39323..39388, 39324..39374, 39325..39378, 39326..39379, 39437..39481, 39437..39511, 39441..39512, 39495..39533, 39500..39538		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o34.tm	Method	TBLASTX:Maize
Start	39332	End	39675
GI	none	Score	240
Exons	39332..39487, 39335..39487, 39437..39559, 39483..39599, 39487..39612, 39489..39596, 39585..39635, 39589..39672, 39592..39654, 39596..39673, 39625..39675		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o32.tc	Method	TBLASTX:Cress
Start	40006	End	40356
GI	none	Score	393
Exons	40006..40263, 40008..40343, 40009..40356		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o4.tm	Method	TBLASTX:Maize
Start	40017	End	41171
GI	none	Score	556
Exons	40017..40367, 40017..40352, 40217..40369, 40303..40368, 40362..40991, 40366..41022, 40367..40975, 40398..40988, 40945..41148, 40970..41149, 40986..41150, 40986..41150, 40987..41151, 41151..41171, 41153..41170		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o4.tw	Method	TBLASTX:Wheat
Start	40120	End	51769
GI	none	Score	58
Exons	40120..40191, 51084..51212, 51084..51245, 51086..51229, 51203..51301, 51232..51294, 51257..51331, 51295..51723, 51315..51767, 51315..51767, 51344..51769, 51586..51768		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o35.tc	Method	TBLASTX:Cress
Start	40422	End	41160
GI	none	Score	56
Exons	40422..40478, 40434..40454, 40489..40542, 40506..40541, 40506..40637, 40547..40663, 40548..40664, 40552..40671, 40659..40775, 40671..40775, 40672..40785, 40784..40876, 40796..40876, 40798..40881, 40967..41146, 40974..41156, 40974..41156, 40975..41160		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o27.ts	Method	TBLASTX:Soybean
Start	40485	End	41161
GI	none	Score	54
Exons	40485..40541, 40486..40545, 40505..40546, 40518..40640, 40547..40666, 40548..40676, 40719..40754, 40729..40752, 40788..40814, 40795..40869, 40815..40886, 40829..40873, 40881..40907, 40885..40908, 40986..41153, 40987..41154, 40987..41154, 41000..41161		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o39.tm	Method	TBLASTX:Maize
Start	41338	End	41724
GI	none	Score	291
Exons	41338..41358, 41342..41626, 41361..41486, 41362..41493, 41381..41629, 41539..41634, 41625..41714, 41628..41714, 41629..41724, 41629..41715		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o17.tm	Method	TBLASTX:Maize
Start	41805	End	42347
GI	none	Score	97
Exons	41805..41888, 41805..41858, 41806..41886, 41807..41887, 41833..41889, 41888..42040, 41889..42314, 41890..42330, 41892..42320, 42312..42347		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o17.tw	Method	TBLASTX:Wheat
Start	41975	End	42375
GI	none	Score	101
Exons	41975..42013, 42012..42092, 42024..42092, 42031..42093, 42037..42093, 42052..42375, 42081..42374		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o9.tc	Method	TBLASTX:Cress

Start	42102	End	43099
GI	none	Score	585
Exons	42102..42731, 42103..42732, 42105..42731, 42112..42732, 42602..42736, 42750..42821, 42751..42798, 42964..43083, 42996..43085, 43003..43080, 43004..43099, 43004..43090		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o17.ts	Method	TBLASTX:Soybean
Start	42327	End	42830
GI	none	Score	369
Exons	42327..42722, 42327..42728, 42328..42729, 42328..42729, 42635..42730, 42774..42830		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o49.tm	Method	TBLASTX:Maize
Start	42608	End	42865
GI	none	Score	163
Exons	42608..42721, 42608..42721, 42609..42722, 42610..42750, 42716..42808, 42718..42831, 42720..42830, 42721..42843, 42722..42841, 42839..42865, 42840..42863, 42841..42864		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o11.tm	Method	TBLASTX:Maize
Start	43459	End	44450
GI	none	Score	78
Exons	43459..43572, 43491..43574, 43567..43728, 43569..43727, 43570..43740, 43720..43950, 43721..43951, 43724..43960, 43725..43961, 43957..43992, 43960..44079, 43961..43990, 43984..44076, 43985..44083, 43995..44087, 44159..44206, 44166..44264, 44167..44265, 44259..44306, 44260..44337, 44260..44337, 44261..44338, 44274..44342, 44335..44409, 44336..44446, 44336..44449, 44349..44450		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o38.ts	Method	TBLASTX:Soybean
Start	43812	End	44079
GI	none	Score	165
Exons	43812..43961, 43834..43995, 43851..43961, 43951..44001, 43957..44079, 43958..44074, 43983..44075, 44023..44076		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o28.tw	Method	TBLASTX:Wheat
Start	43836	End	44098
GI	none	Score	176
Exons	43836..44024, 43843..43953, 43844..43960, 43940..43993, 43959..44000, 44012..44098, 44024..44098		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o65.tc	Method	TBLASTX:Cress
Start	44339	End	44475
GI	none	Score	133
Exons	44339..44455, 44342..44473, 44349..44462, 44349..44474, 44452..44475		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o2.tm	Method	TBLASTX:Maize
Start	45065	End	47767
GI	none	Score	68
Exons	45065..45115, 45065..45115, 45118..45186, 45128..45157, 45183..45842, 45189..45824, 45822..45860, 45829..46038, 45833..46048, 45864..46055, 45865..46035, 45872..46036, 46021..46545, 46024..46407, 46025..46576, 46025..46555, 46559..46870, 46581..47081, 46597..47082, 46876..47082, 47079..47240, 47083..47241, 47084..47266, 47085..47267, 47276..47320, 47297..47350, 47297..47326, 47302..47349, 47343..47369, 47347..47370, 47400..47462, 47402..47464, 47417..47464, 47431..47475, 47436..47558, 47469..47513, 47470..47517, 47485..47607, 47492..47593, 47592..47654, 47592..47651, 47593..47652, 47649..47675, 47654..47767, 47656..47766		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o12.tc	Method	TBLASTX:Cress
Start	45272	End	45749
GI	none	Score	463
Exons	45272..45739, 45273..45740, 45273..45749, 45403..45747		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o14.ts	Method	TBLASTX:Soybean
Start	45324	End	45774
GI	none	Score	383
Exons	45324..45758, 45324..45758, 45400..45774		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o8.tc	Method	TBLASTX:Cress
Start	45836	End	46553
GI	none	Score	146
Exons	45836..46024, 45861..46025, 45862..46128, 46015..46086, 46073..46129, 46122..46292, 46122..46199, 46123..46545, 46124..46552, 46239..46553		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o12.ts	Method	TBLASTX:Soybean
Start	45904	End	46588
GI	none	Score	778
Exons	45904..46545, 45905..46588, 45905..46552		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o3.tw	Method	TBLASTX:Wheat
Start	45991	End	46522
GI	none	Score	697
Exons	45991..46521, 45992..46522		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o29.tc	Method	TBLASTX:Cress
Start	46584	End	46983
GI	none	Score	251
Exons	46584..46616, 46632..46856, 46633..46983, 46633..46977, 46665..46979, 46916..46981		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o22.ts	Method	TBLASTX:Soybean
Start	46590	End	46923
GI	none	Score	306
Exons	46590..46865, 46591..46923, 46593..46922		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o30.ts	Method	TBLASTX:Soybean
Start	47675	End	48344
GI	none	Score	137
Exons	47675..47779, 47676..47795, 47677..47763, 47715..47780, 47739..47825, 47747..47821, 47759..47833, 47761..47841, 47814..47948, 47832..47861, 47867..47965, 47883..47957, 47884..47997, 47975..48043, 48003..48035, 48045..48080, 48045..48080, 48174..48206, 48175..48204, 48262..48333, 48277..48336, 48279..48344		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o47.tc	Method	TBLASTX:Cress
Start	47696	End	48252
GI	none	Score	88
Exons	47696..47764, 47698..47763, 47715..47765, 47759..47821, 47759..47836, 47760..47831, 47817..47867, 47895..47957, 47896..47967, 47898..47936, 47944..48168, 47949..48050, 47950..48057, 48042..48107, 48175..48204, 48214..48252		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o16.tm	Method	TBLASTX:Maize
Start	47853	End	48437
GI	none	Score	470
Exons	47853..48185, 47854..48183, 48133..48186, 48180..48356, 48180..48371, 48181..48366, 48358..48402, 48360..48437		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o37.tm	Method	TBLASTX:Maize
Start	48651	End	49034
GI	none	Score	328
Exons	48651..48980, 48652..48996, 48663..48980, 48763..48981, 48872..48997, 48965..49033, 48987..49034		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o4.ts	Method	TBLASTX:Soybean
Start	48711	End	50014
GI	none	Score	69
Exons	48711..49100, 48712..49296, 48713..48787, 48795..49277, 48802..49278, 49277..49489, 49278..50012, 49279..49950, 49281..50012, 49688..50014		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o23.tw	Method	TBLASTX:Wheat
Start	49170	End	49556
GI	none	Score	63
Exons	49170..49280, 49171..49278, 49278..49556, 49281..49529, 49282..49533		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o33.ts	Method	TBLASTX:Soybean
Start	50406	End	51101
GI	none	Score	184
Exons	50406..50609, 50406..50609, 50407..50610, 50407..50610, 51045..51101		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o43.tm	Method	TBLASTX:Maize
Start	50454	End	50707
GI	none	Score	261
Exons	50454..50633, 50455..50661, 50456..50665, 50656..50685, 50656..50685, 50690..50707		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o19.tw	Method	TBLASTX:Wheat
Start	50483	End	50917

GI	none	Score	215
Exons	50483..50632, 50483..50578, 50485..50661, 50485..50622, 50583..50669, 50584..50694, 50629..50715, 50630..50704, 50693..50869, 50702..50869, 50703..50879, 50704..50883, 50706..50897, 50828..50917, 50843..50917		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o62.tm	Method	TBLASTX:Maize
Start	50708	End	50897
GI	none	Score	199
Exons	50708..50845, 50708..50845, 50709..50870, 50710..50847, 50838..50879, 50843..50884, 50844..50897		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o40.tm	Method	TBLASTX:Maize
Start	51041	End	51350
GI	none	Score	186
Exons	51041..51163, 51045..51164, 51140..51250, 51149..51205, 51151..51228, 51153..51248, 51154..51258, 51223..51348, 51225..51350		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o10.ts	Method	TBLASTX:Soybean
Start	51324	End	52027
GI	none	Score	1013
Exons	51324..52010, 51324..52025, 51347..52027, 51512..52027		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o17.tc	Method	TBLASTX:Cress
Start	51333	End	51809
GI	none	Score	41
Exons	51333..51365, 51367..51717, 51368..51790, 51369..51809, 51372..51809		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o9.tm	Method	TBLASTX:Maize
Start	51351	End	52097
GI	none	Score	1079
Exons	51351..52049, 51363..52091, 52047..52097		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o26.tw	Method	TBLASTX:Wheat
Start	51770	End	51952
GI	none	Score	319
Exons	51770..51952, 51771..51950		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o1.tw	Method	TBLASTX:Wheat
Start	52095	End	52847
GI	none	Score	926
Exons	52095..52841, 52096..52797, 52096..52842, 52101..52847		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o53.tm	Method	TBLASTX:Maize
Start	52100	End	52389
GI	none	Score	205
Exons	52100..52384, 52101..52388, 52105..52383, 52120..52389		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o63.tc	Method	TBLASTX:Cress
Start	52332	End	52479
GI	none	Score	156
Exons	52332..52454, 52333..52479, 52334..52468		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o25.tm	Method	TBLASTX:Maize
Start	52442	End	52978
GI	none	Score	310
Exons	52442..52801, 52451..52657, 52464..52811, 52467..52811, 52919..52978, 52923..52976		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o36.tc	Method	TBLASTX:Cress
Start	52562	End	52831
GI	none	Score	353
Exons	52562..52693, 52563..52829, 52563..52829, 52564..52830, 52730..52831		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o29.tm	Method	TBLASTX:Maize
Start	54502	End	54932
GI	none	Score	273
Exons	54502..54681, 54508..54681, 54684..54782, 54684..54764, 54685..54783, 54685..54798, 54771..54848, 54779..54850, 54782..54850, 54784..54870, 54818..54916, 54840..54917, 54843..54932, 54847..54918		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o10.tc	Method	TBLASTX:Cress
Start	55013	End	56354
GI	none	Score	699
Exons	55013..55498, 55015..55503, 55016..55504, 55438..55506, 55485..55574, 55490..55573, 55902..55976, 55976..56335, 55977..56354, 55981..56352		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o18.tm	Method	TBLASTX:Maize
Start	55171	End	55768
GI	none	Score	46
Exons	55171..55203, 55172..55204, 55182..55589, 55187..55591, 55190..55591, 55677..55700, 55678..55701, 55697..55744, 55699..55743, 55736..55768, 55740..55760		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o6.ts	Method	TBLASTX:Soybean
Start	56362	End	57898
GI	none	Score	332
Exons	56362..56679, 56382..56687, 56908..57117, 56914..57897, 56915..57898		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o55.tc	Method	TBLASTX:Cress
Start	56374	End	56591
GI	none	Score	228
Exons	56374..56589, 56376..56591		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o4.tc	Method	TBLASTX:Cress
Start	56592	End	57858
GI	none	Score	91
Exons	56592..56672, 56593..56664, 56894..57694, 56908..57117, 56915..57703, 57800..57856, 57800..57856, 57808..57858		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o16.tw	Method	TBLASTX:Wheat
Start	56683	End	57109
GI	none	Score	39
Exons	56683..56709, 56684..56719, 56685..56723, 56697..56774, 56713..56784, 56714..56833, 56729..56854, 56769..56981, 56787..56951, 56789..56980, 56794..56982, 56881..56982, 56984..57109, 56987..57106, 56989..57108		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o23.tm	Method	TBLASTX:Maize
Start	56735	End	57215
GI	none	Score	53
Exons	56735..56773, 56736..56771, 56737..56781, 56770..57117, 56771..57214, 56775..57215		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o51.tm	Method	TBLASTX:Maize
Start	57216	End	57384
GI	none	Score	273
Exons	57216..57383, 57217..57384, 57218..57382		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o30.tw	Method	TBLASTX:Wheat
Start	57441	End	57557
GI	none	Score	205
Exons	57441..57557, 57443..57556		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o18.tw	Method	TBLASTX:Wheat
Start	57676	End	58003
GI	none	Score	377
Exons	57676..57939, 57683..58003, 57683..58003		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o40.tc	Method	TBLASTX:Cress
Start	58822	End	59159
GI	none	Score	273
Exons	58822..59067, 58825..59067, 59106..59159, 59107..59157		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o35.tm	Method	TBLASTX:Maize
Start	58876	End	59159
GI	none	Score	364
Exons	58876..59091, 58876..59130, 59091..59159, 59092..59157, 59093..59158		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o10.tw	Method	TBLASTX:Wheat
Start	59111	End	59553
GI	none	Score	667
Exons	59111..59551, 59112..59537, 59113..59553		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-

Start	64702	End	67526
Name	OJ990605_36.9919.C1.o14.tc	Method	TBLASTX:Cress
Start	59198	End	59776
GI	none	Score	74
Exons	59198..59251, 59199..59255, 59199..59255, 59200..59256, 59200..59256, 59257..59385, 59258..59386, 59259..59387, 59388..59669, 59391..59657, 59392..59670, 59393..59665, 59393..59674, 59669..59701, 59673..59702, 59705..59776, 59709..59771		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o66.tm	Method	TBLASTX:Maize
Start	59618	End	59770
GI	none	Score	89
Exons	59618..59671, 59618..59665, 59619..59687, 59620..59679, 59666..59725, 59673..59726, 59673..59726, 59726..59770, 59729..59770		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o22.tw	Method	TBLASTX:Wheat
Start	59631	End	60032
GI	none	Score	79
Exons	59631..59681, 59631..59705, 59632..59682, 59652..59867, 59664..59867, 59861..60007, 59886..60029, 59907..60032		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o65.tm	Method	TBLASTX:Maize
Start	59806	End	60214
GI	none	Score	58
Exons	59806..59877, 59824..59877, 59828..59884, 59829..59882, 59857..59949, 59889..59945, 59890..59949, 59943..59984, 59961..60023, 59964..60026, 60030..60107, 60031..60102, 60031..60111, 60137..60214, 60139..60201		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o13.tw	Method	TBLASTX:Wheat
Start	60394	End	60990
GI	none	Score	136
Exons	60394..60522, 60398..60523, 60399..60494, 60401..60523, 60547..60588, 60562..60627, 60581..60664, 60586..60663, 60638..60715, 60666..60713, 60667..60717, 60668..60715, 60700..60825, 60701..60826, 60705..60824, 60713..60826, 60814..60990, 60819..60989		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o12.tm	Method	TBLASTX:Maize
Start	60556	End	61299

GI	none	Score	139
Exons	60556..60714, 60581..60706, 60583..60732, 60588..60728, 60701..60787, 60702..60785, 60781..60951, 60783..60953, 60968..61000, 60969..61022, 60995..61021, 61003..61032, 61019..61126, 61020..61088, 61021..61095, 61083..61265, 61084..61299, 61086..61292, 61087..61293		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o49.tc	Method	TBLASTX:Cress
Start	60883	End	61225
GI	none	Score	74
Exons	60883..60969, 60885..60950, 61025..61090, 61028..61090, 61100..61225, 61111..61221		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o35.ts	Method	TBLASTX:Soybean
Start	61025	End	61240
GI	none	Score	230
Exons	61025..61090, 61084..61239, 61085..61240		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o24.tw	Method	TBLASTX:Wheat
Start	61761	End	62149
GI	none	Score	83
Exons	61761..61820, 61761..61820, 61762..61821, 61762..61839, 61803..61841, 61817..61840, 61864..62112, 61868..62134, 61874..62149		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o32.tm	Method	TBLASTX:Maize
Start	61845	End	62161
GI	none	Score	264
Exons	61845..62027, 61845..62141, 61846..62154, 61847..62161, 61847..62161		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o32.ts	Method	TBLASTX:Soybean
Start	61920	End	63283
GI	none	Score	168
Exons	61920..62027, 61922..62074, 61922..62074, 62470..62634, 62480..62710, 62493..62723, 62507..62710, 62973..63044, 62975..63037, 62981..63025, 63032..63094, 63104..63274, 63106..63270, 63106..63279, 63122..63283		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526

Name	OJ990605_36.9919.C1.o58.tc	Method	TBLASTX:Cress
Start	61923	End	62083
GI	none	Score	165
Exons	61923..62027, 61923..62069, 61924..62070, 61925..62083		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o42.tm	Method	TBLASTX:Maize
Start	62344	End	62681
GI	none	Score	94
Exons	62344..62427, 62434..62643, 62445..62681, 62477..62677, 62487..62681		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o44.tc	Method	TBLASTX:Cress
Start	62493	End	63426
GI	none	Score	280
Exons	62493..62711, 62510..62710, 62978..63025, 63002..63094, 63106..63270, 63106..63270, 63122..63283, 63328..63426		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o52.tc	Method	TBLASTX:Cress
Start	64025	End	64602
GI	none	Score	37
Exons	64025..64054, 64091..64126, 64094..64123, 64116..64175, 64129..64176, 64212..64298, 64213..64287, 64304..64402, 64305..64448, 64387..64449, 64485..64529, 64488..64529, 64558..64602		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o26.ts	Method	TBLASTX:Soybean
Start	64121	End	65170
GI	none	Score	73
Exons	64121..64171, 64129..64179, 64205..64246, 64209..64286, 64210..64236, 64248..64292, 64282..64350, 64303..64347, 64304..64357, 64347..64412, 64353..64445, 64354..64446, 64387..64458, 64541..64606, 64548..64601, 64654..64815, 64657..64833, 64682..64816, 64818..64862, 64836..64862, 65013..65168, 65013..65168, 65021..65170, 65023..65169		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o55.tm	Method	TBLASTX:Maize
Start	64512	End	64700
GI	none	Score	62
Exons	64512..64538, 64514..64540, 64542..64700, 64544..64699		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-

Start	64702	End	67526
Name	OJ990605_36.9919.C1.o5.tm	Method	TBLASTX:Maize
Start	64701	End	65707
GI	none	Score	106
Exons	64701..64766, 64701..64829, 64702..64833, 64702..64833, 64703..64834, 64821..64865, 64827..64865, 64834..64866, 64866..64889, 64867..64893, 64867..64893, 64896..65705, 64901..65707, 64902..65684		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o30.gp	Method	AAT/GAP
Start	64702	End	64869
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	64702..64869		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o19.ts	Method	TBLASTX:Soybean
Start	65172	End	65662
GI	none	Score	309
Exons	65172..65600, 65181..65600, 65182..65601, 65183..65620, 65429..65620, 65639..65662		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o23.tc	Method	TBLASTX:Cress
Start	65190	End	65620
GI	none	Score	351
Exons	65190..65600, 65191..65601, 65234..65620		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o33.tm	Method	TBLASTX:Maize
Start	65917	End	66207
GI	none	Score	167
Exons	65917..66033, 65917..66033, 66024..66206, 66036..66203, 66037..66207		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o62.tc	Method	TBLASTX:Cress
Start	66086	End	66365
GI	none	Score	166
Exons	66086..66358, 66099..66365		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1

Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o11.tc	Method	TBLASTX:Cress
Start	66542	End	67092
GI	none	Score	206
Exons	66542..66688, 66543..66710, 66549..66689, 66684..67088, 66687..67088, 66728..67084, 66877..67092		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o7.tw	Method	TBLASTX:Wheat
Start	66650	End	67081
GI	none	Score	691
Exons	66650..66694, 66651..67079, 66651..67079, 66728..67081, 66877..67080		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o58.tm	Method	TBLASTX:Maize
Start	66687	End	66896
GI	none	Score	221
Exons	66687..66827, 66687..66824, 66688..66825, 66831..66896		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o13.ts	Method	TBLASTX:Soybean
Start	66759	End	67203
GI	none	Score	694
Exons	66759..67199, 66760..67203, 66760..67065, 66761..67198, 67102..67203		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o26.tm	Method	TBLASTX:Maize
Start	66899	End	67213
GI	none	Score	567
Exons	66899..67213, 66900..67211		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46088	Strand	-
Start	64702	End	67526
Name	OJ990605_36.9919.C1.o30.tc	Method	TBLASTX:Cress
Start	67093	End	67364
GI	none	Score	455
Exons	67093..67332, 67095..67364, 67095..67364		

Seq. No.	22135	Seq. ID	OJ990605_36.9919.C1
Gene No.	46089	Strand	
Start	67587	End	67905
Name	OJ990605_36.9919.C1.o56.tc	Method	TBLASTX:Cress
Start	67587	End	67905
GI	none	Score	75
Exons	67587..67670, 67590..67667, 67591..67671, 67592..67672,		

67704..67784, 67704..67784, 67783..67905, 67784..67876

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46090	Strand	+
Start	957	End	1463
Name	OJ990605_36.9919.C2.o3.gp	Method	AAT/GAP
Start	957	End	1463
GI	uC-osflcyp011b01b1	Score	987
Exons	957..1463		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46091	Strand	+
Start	7483	End	8587
Name	OJ990605_36.9919.C2.o8.gp	Method	AAT/GAP
Start	7483	End	8587
GI	2291_1.R1084	Score	2153
Exons	7483..8587		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46092	Strand	+
Start	8602	End	10074
Name	OJ990605_36.9919.C2.o9.gp	Method	AAT/GAP
Start	8602	End	10074
GI	3073_1.R1084	Score	2931
Exons	8602..10074		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46093	Strand	-
Start	56	End	507
Name	OJ990605_36.9919.C2.o1.gp	Method	AAT/GAP
Start	56	End	507
GI	uC-osflcyp003h11b1	Score	872
Exons	56..507		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46094	Strand	-
Start	637	End	800
Name	OJ990605_36.9919.C2.o2.gp	Method	AAT/GAP

Start	637	End	800
GI	uC-osflcyp084g07a1	Score	201
Exons	637..800		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46095	Strand	-
Start	3938	End	4503
Name	OJ990605_36.9919.C2.o4.gp	Method	AAT/GAP
Start	3938	End	4503
GI	2798177	Score	1010
Exons	3938..4503		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46096	Strand	-
Start	5286	End	5676
Name	OJ990605_36.9919.C2.o5.gp	Method	AAT/GAP
Start	5286	End	5676
GI	5003883	Score	782
Exons	5286..5676		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46097	Strand	-
Start	6247	End	6832
Name	OJ990605_36.9919.C2.o6.gp	Method	AAT/GAP
Start	6247	End	6832
GI	481_1.R1084	Score	1023
Exons	6247..6832		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46098	Strand	-
Start	7137	End	7400
Name	OJ990605_36.9919.C2.o7.gp	Method	AAT/GAP
Start	7137	End	7400
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	7137..7400		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o10.tm	Method	TBLASTX:Maize
Start	1	End	460
GI	none	Score	304
Exons	1..201, 1..207, 2..202, 108..218, 187..264, 198..263, 198..269, 239..268, 256..306, 256..306, 257..307, 297..428, 308..340,		

312..392, 386..427, 394..429, 421..456, 434..460

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o12.ts	Method	TBLASTX:Soybean
Start	1	End	289
GI	none	Score	249
Exons	1..153, 2..166, 238..288, 239..289		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o2.tc	Method	TBLASTX:Cress
Start	1	End	1974
GI	none	Score	245
Exons	1..153, 2..166, 237..263, 1094..1588, 1097..1744, 1099..1761, 1105..1743, 1797..1868, 1799..1867, 1802..1876, 1920..1973, 1920..1973, 1936..1974		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o2.ts	Method	TBLASTX:Soybean
Start	590	End	1836
GI	none	Score	57
Exons	590..634, 636..689, 638..688, 696..734, 698..730, 1015..1059, 1016..1078, 1016..1075, 1055..1771, 1067..1588, 1105..1770, 1800..1829, 1801..1836		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o6.tm	Method	TBLASTX:Maize
Start	1100	End	1744
GI	none	Score	961
Exons	1100..1744, 1103..1570, 1162..1743		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o14.tm	Method	TBLASTX:Maize
Start	1910	End	2151
GI	none	Score	290
Exons	1910..2104, 1911..2102, 2106..2150, 2107..2148, 2107..2151		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o4.ts	Method	TBLASTX:Soybean
Start	2059	End	3621
GI	none	Score	75
Exons	2059..2151, 2059..2178, 2154..2300, 2210..2299, 2316..2342, 2419..2466, 2425..2466, 2578..3033, 2596..3165, 2603..3142, 2603..3169, 2613..3167, 3073..3171, 3190..3270, 3213..3269, 3425..3601, 3427..3621		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o13.tc	Method	TBLASTX:Cress
Start	2595	End	2842
GI	none	Score	367
Exons	2595..2690, 2596..2841, 2609..2842		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o15.tc	Method	TBLASTX:Cress
Start	2843	End	3048
GI	none	Score	316
Exons	2843..3046, 2843..3046, 2845..3048		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o16.tc	Method	TBLASTX:Cress
Start	3448	End	3890
GI	none	Score	36
Exons	3448..3513, 3499..3537, 3504..3542, 3554..3598, 3641..3877, 3650..3877, 3696..3890, 3748..3879, 3759..3890		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o3.ts	Method	TBLASTX:Soybean
Start	3641	End	4405
GI	none	Score	523
Exons	3641..4351, 3641..4405, 3648..4376, 3712..4398		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o7.tm	Method	TBLASTX:Maize
Start	3839	End	4313
GI	none	Score	662
Exons	3839..4312, 3840..4313		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o7.tc	Method	TBLASTX:Cress
Start	4133	End	4720
GI	none	Score	295
Exons	4133..4405, 4137..4376, 4388..4447, 4420..4464, 4420..4464, 4447..4620, 4453..4587, 4461..4622, 4461..4631, 4490..4645, 4622..4720, 4623..4718, 4624..4719		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o15.tm	Method	TBLASTX:Maize
Start	4321	End	4583
GI	none	Score	51

Exons	4321..4395, 4340..4399, 4341..4379, 4342..4395, 4449..4577, 4462..4578, 4462..4578, 4464..4583, 4490..4582		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o11.tm	Method	TBLASTX:Maize
Start	4600	End	4887
GI	none	Score	188
Exons	4600..4713, 4601..4717, 4601..4717, 4715..4885, 4716..4886, 4717..4887, 4718..4885		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o14.ts	Method	TBLASTX:Soybean
Start	4675	End	4927
GI	none	Score	91
Exons	4675..4767, 4676..4846, 4685..4846, 4826..4927, 4827..4919, 4831..4920		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	4888	End	6405
GI	none	Score	38
Exons	4888..4920, 4889..4939, 4912..4995, 4932..4994, 4944..5021, 4951..5022, 5006..5023, 5040..5279, 5043..5264, 5062..5280, 5286..5564, 5287..5565, 5303..5566, 5307..5567, 5315..5365, 5339..5617, 5350..5628, 5572..5613, 5573..5611, 5575..5655, 5663..5707, 5668..5721, 5670..5720, 5739..5822, 5740..6387, 5740..6270, 5759..6403, 5970..6404, 6343..6405		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o15.ts	Method	TBLASTX:Soybean
Start	5372	End	5561
GI	none	Score	174
Exons	5372..5557, 5373..5561		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o3.tw	Method	TBLASTX:Wheat
Start	5663	End	6121
GI	none	Score	45
Exons	5663..5707, 5669..5707, 5670..5720, 5718..5738, 5739..5819, 5740..6114, 5759..6112, 5759..6121, 5844..6113		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	5752	End	11458
GI	none	Score	158

Exons	5752..5916, 5752..5964, 5759..5968, 5759..5986, 5959..6165, 5975..6166, 5979..6287, 5981..6202, 6200..6226, 6243..6308, 6294..6596, 6305..6595, 6414..6608, 6584..6685, 6591..6710, 6771..7004, 6787..7149, 6787..7182, 6801..7190, 6806..7192, 7053..7187, 8415..8555, 8416..8796, 8417..8785, 8800..8907, 8970..9104, 8971..9120, 8971..9120, 9030..9125, 9115..9144, 9725..9877, 9729..9962, 9739..9963, 9739..9963, 9967..9993, 9968..9991, 10188..10532, 10241..10531, 10242..10571, 10297..10536, 10477..10686, 10504..10701, 10604..10702, 10673..10744, 10684..10782, 10695..10820, 10731..10787, 10779..10823, 10781..10822, 10782..10823, 10823..11002, 10825..11001, 10826..11053, 11007..11084, 11008..11085, 11063..11458, 11077..11370		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o8.tc	Method	TBLASTX:Cress
Start	5752	End	6272
GI	none	Score	156
Exons	5752..5964, 5755..5925, 5759..5956, 5959..6168, 5972..6166, 5981..6175, 5986..6174, 6190..6231, 6191..6223, 6234..6272		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o9.tw	Method	TBLASTX:Wheat
Start	6193	End	6557
GI	none	Score	60
Exons	6193..6228, 6194..6232, 6202..6270, 6212..6268, 6214..6270, 6279..6557, 6279..6554, 6296..6556		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o12.tc	Method	TBLASTX:Cress
Start	6298	End	6685
GI	none	Score	114
Exons	6298..6498, 6299..6502, 6306..6503, 6503..6550, 6503..6595, 6504..6596, 6571..6603, 6584..6685, 6591..6683		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o5.tm	Method	TBLASTX:Maize
Start	6446	End	8285
GI	none	Score	75
Exons	6446..6490, 6447..6491, 6491..7192, 6492..7187, 8229..8285		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o6.tw	Method	TBLASTX:Wheat
Start	6710	End	7101
GI	none	Score	80
Exons	6710..6763, 6712..6762, 6714..6767, 6717..7100, 6718..7101		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o9.tc	Method	TBLASTX:Cress
Start	6719	End	7192
GI	none	Score	48
Exons	6719..6751, 6825..6890, 6870..7190, 6871..7146, 6881..7192, 6885..7184		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o10.tw	Method	TBLASTX:Wheat
Start	7133	End	15285
GI	none	Score	131
Exons	7133..7207, 7134..7208, 7178..7303, 7204..7308, 7208..7303, 7213..7338, 7322..7345, 7324..7347, 7346..7393, 7378..7458, 7389..7451, 7505..7537, 7506..7538, 15199..15285		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o12.tm	Method	TBLASTX:Maize
Start	7502	End	7825
GI	none	Score	352
Exons	7502..7750, 7503..7751, 7510..7821, 7513..7806, 7757..7825		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o10.tc	Method	TBLASTX:Cress
Start	7541	End	8775
GI	none	Score	49
Exons	7541..7582, 7549..7569, 7601..7663, 7619..7663, 7656..7745, 7657..7746, 7660..7752, 7873..7899, 7895..7939, 8048..8110, 8221..8262, 8232..8279, 8352..8594, 8359..8730, 8401..8775, 8402..8758		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o5.tw	Method	TBLASTX:Wheat
Start	7625	End	8259
GI	none	Score	202
Exons	7625..7783, 7626..7775, 7627..7803, 7750..7836, 7751..7837, 7760..7834, 7822..7935, 7831..7938, 7836..7943, 7945..8154, 7953..8132, 8012..8182, 8022..8192, 8036..8182, 8212..8259, 8226..8258		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o13.tm	Method	TBLASTX:Maize
Start	7866	End	8189
GI	none	Score	59
Exons	7866..7895, 7867..7902, 7867..7899, 7892..7933, 7892..7939, 7896..7994, 7897..8154, 7897..8067, 8024..8182, 8025..8132,		

8028..8189, 8036..8170, 8122..8181

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o3.tm	Method	TBLASTX:Maize
Start	8329	End	10091
GI	none	Score	37
Exons	8329..8361, 8338..8910, 8340..8558, 8353..8751, 8360..8908, 8803..8910, 8863..9141, 8905..9144, 9124..9582, 9136..9582, 9530..9643, 9574..9648, 9591..9647, 9593..9697, 9662..9880, 9681..9995, 9690..9959, 9697..9996, 9926..10000, 9932..10000, 9961..10050, 9987..10046, 9989..10090, 10002..10091		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o1.tw	Method	TBLASTX:Wheat
Start	8811	End	9576
GI	none	Score	137
Exons	8811..8906, 8812..9144, 8812..9141, 9175..9573, 9181..9576		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o11.tc	Method	TBLASTX:Cress
Start	9006	End	9522
GI	none	Score	129
Exons	9006..9104, 9007..9117, 9014..9118, 9021..9119, 9168..9275, 9190..9486, 9199..9522		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o13.ts	Method	TBLASTX:Soybean
Start	9197	End	9525
GI	none	Score	137
Exons	9197..9487, 9199..9525, 9211..9492		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o5.tc	Method	TBLASTX:Cress
Start	9864	End	10728
GI	none	Score	92
Exons	9864..9962, 9865..9963, 9867..9956, 10102..10152, 10103..10153, 10103..10180, 10104..10160, 10105..10170, 10154..10183, 10154..10183, 10240..10407, 10242..10409, 10242..10412, 10297..10413, 10423..10671, 10427..10666, 10435..10728, 10604..10672		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o9.tm	Method	TBLASTX:Maize
Start	10275	End	11103
GI	none	Score	135

Exons	10275..10382, 10298..10381, 10299..10382, 10729..11103, 10730..11095, 10731..11096, 10957..11097		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o4.tm	Method	TBLASTX:Maize
Start	10384	End	12102
GI	none	Score	400
Exons	10384..10671, 10384..10728, 11327..11536, 11329..11577, 11332..11577, 11406..11579, 11513..11578, 11572..12102, 11581..12102		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o8.tw	Method	TBLASTX:Wheat
Start	10413	End	10720
GI	none	Score	343
Exons	10413..10676, 10413..10718, 10414..10719, 10414..10719, 10604..10720		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	11007	End	12226
GI	none	Score	79
Exons	11007..11048, 11009..11182, 11009..11203, 11085..11216, 11202..11315, 11203..11319, 11204..11323, 11327..11536, 11329..12042, 11332..12042, 12029..12127, 12039..12134, 12043..12135, 12047..12133, 12061..12135, 12136..12216, 12140..12226, 12141..12224		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o6.ts	Method	TBLASTX:Soybean
Start	11459	End	12036
GI	none	Score	107
Exons	11459..11536, 11461..12036, 11463..11720, 11464..12030		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o2.tw	Method	TBLASTX:Wheat
Start	11697	End	12074
GI	none	Score	51
Exons	11697..11723, 11697..12047, 11698..12072, 11698..12072, 11699..12073, 11772..12074		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o12.tw	Method	TBLASTX:Wheat
Start	12075	End	12302
GI	none	Score	104

Exons	12075..12134, 12077..12133, 12141..12302, 12156..12302		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o14.tc	Method	TBLASTX:Cress
Start	12456	End	12864
GI	none	Score	61
Exons	12456..12500, 12460..12495, 12487..12648, 12501..12650, 12502..12648, 12635..12730, 12645..12731, 12645..12758, 12646..12732, 12733..12864, 12735..12815, 12742..12822		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o16.ts	Method	TBLASTX:Soybean
Start	12812	End	12991
GI	none	Score	52
Exons	12812..12841, 12814..12837, 12847..12987, 12851..12991		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o7.tw	Method	TBLASTX:Wheat
Start	14160	End	14646
GI	none	Score	92
Exons	14160..14237, 14160..14237, 14161..14238, 14161..14238, 14238..14282, 14239..14295, 14239..14295, 14270..14350, 14275..14352, 14277..14354, 14286..14348, 14302..14367, 14312..14380, 14313..14354, 14340..14360, 14365..14415, 14365..14406, 14366..14458, 14366..14416, 14405..14644, 14412..14645, 14464..14646, 14599..14646		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o7.ts	Method	TBLASTX:Soybean
Start	14441	End	14934
GI	none	Score	684
Exons	14441..14932, 14451..14849, 14453..14932, 14599..14934, 14812..14934		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o11.ts	Method	TBLASTX:Soybean
Start	16140	End	16366
GI	none	Score	347
Exons	16140..16364, 16140..16364, 16142..16366, 16142..16366		
Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o8.ts	Method	TBLASTX:Soybean
Start	16367	End	16819
GI	none	Score	448
Exons	16367..16684, 16371..16685, 16399..16686, 16672..16749,		

16689..16748, 16702..16818, 16704..16817, 16733..16819,
16733..16819

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o8.tm	Method	TBLASTX:Maize
Start	16902	End	17256
GI	none	Score	564
Exons	16902..17219, 16903..17256, 16905..17255		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o5.ts	Method	TBLASTX:Soybean
Start	16932	End	17656
GI	none	Score	59
Exons	16932..16979, 16935..16976, 16975..17205, 16979..17224, 16980..17219, 17230..17538, 17231..17476, 17277..17477, 17493..17537, 17529..17651, 17531..17656, 17531..17656		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o6.tc	Method	TBLASTX:Cress
Start	16944	End	17466
GI	none	Score	47
Exons	16944..16979, 16945..16983, 16947..16976, 16979..17224, 16980..17207, 16981..17232, 17229..17351, 17230..17343, 17231..17365, 17343..17369, 17359..17466, 17361..17453		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o10.gp	Method	AAT/GAP
Start	17169	End	19137
GI	183_5.R1084	Score	2766
Exons	17169..17553, 18093..19137		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	17258	End	19135
GI	none	Score	756
Exons	17258..17728, 17258..17788, 17277..17789, 17407..17793, 17771..18694, 17784..18167, 17786..18688, 18222..18695, 18603..18704, 18750..18833, 18751..18834, 18772..18834, 18776..18835, 18828..19127, 18830..19135, 18833..19135		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2

Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o11.tw	Method	TBLASTX:Wheat
Start	17333	End	17552
GI	none	Score	99
Exons	17333..17443, 17336..17416, 17337..17420, 17400..17531, 17402..17515, 17519..17551, 17520..17552		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o17.tc	Method	TBLASTX:Cress
Start	17513	End	17673
GI	none	Score	194
Exons	17513..17668, 17524..17634, 17531..17668, 17533..17673		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o9.ts	Method	TBLASTX:Soybean
Start	17658	End	18059
GI	none	Score	178
Exons	17658..17780, 17659..17781, 17659..17781, 17709..17804, 17792..17905, 17792..17905, 17904..18059, 17906..18058		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o4.tw	Method	TBLASTX:Wheat
Start	17927	End	18337
GI	none	Score	42
Exons	17927..17986, 17978..18337, 17993..18334		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o3.tc	Method	TBLASTX:Cress
Start	17946	End	18695
GI	none	Score	365
Exons	17946..18167, 17946..18434, 17947..18468, 17948..18424, 17948..18469, 18419..18535, 18423..18536, 18424..18450, 18427..18543, 18428..18544, 18480..18548, 18512..18586, 18517..18618, 18550..18597, 18587..18661, 18603..18671, 18613..18657, 18647..18688, 18653..18694, 18675..18695		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o10.ts	Method	TBLASTX:Soybean
Start	18217	End	19330
GI	none	Score	308
Exons	18217..18417, 18218..18424, 18401..18523, 18433..18528, 18434..18523, 18480..18530, 18487..18534, 18550..18585, 18554..18586, 18586..18627, 18593..18628, 18616..18678, 18751..18816, 18753..18818, 18811..18837, 18812..18838, 18845..18949, 18872..18949, 18957..19049, 18976..19032, 19064..19102, 19163..19321, 19164..19319, 19165..19329,		

19190..19330

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o18.tc	Method	TBLASTX:Cress
Start	18755	End	18976
GI	none	Score	40
Exons	18755..18790, 18780..18821, 18792..18824, 18814..18951, 18815..18958, 18816..18947, 18817..18948, 18953..18976		

Seq. No.	22136	Seq. ID	OJ990605_36.9919.C2
Gene No.	46099	Strand	-
Start	17169	End	20033
Name	OJ990605_36.9919.C2.o4.tc	Method	TBLASTX:Cress
Start	18977	End	20033
GI	none	Score	110
Exons	18977..19072, 18977..19063, 19070..19096, 19070..19096, 19072..19101, 19163..19309, 19170..19301, 19204..19302, 19266..19337, 19356..19433, 19357..19437, 19357..19437, 19358..19438, 19430..19501, 19433..19501, 19434..19502, 19457..19564, 19471..19539, 19503..19565, 19561..19692, 19581..19697, 19583..19690, 19587..19745, 19637..19744, 19705..19749, 19763..19810, 19764..19940, 19765..19947, 19848..19949, 19850..19948, 19974..20033, 19976..20032		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46100	Strand	+
Start	1	End	148
Name	OJ990605_36.9919.C3.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	24570_1.R1084	Score	296
Exons	1..148		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46101	Strand	+
Start	512	End	875
Name	OJ990605_36.9919.C3.o2.gp	Method	AAT/GAP
Start	512	End	875
GI	5455469	Score	666
Exons	512..875		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3

Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o3.tc	Method	TBLASTX:Cress
Start	1	End	382
GI	none	Score	285
Exons	1..153, 2..172, 138..185, 149..379, 155..382, 234..380		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	1	End	187
GI	none	Score	346
Exons	1..186, 2..187		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	71	End	436
GI	none	Score	212
Exons	71..436, 230..415		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	470	End	838
GI	none	Score	579
Exons	470..838, 470..820		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o3.gp	Method	AAT/GAP
Start	903	End	1321
GI	3073_1.R1084	Score	743
Exons	903..1321		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	915	End	1331
GI	none	Score	197
Exons	915..1043, 934..1044, 943..1044, 1015..1245, 1043..1120, 1044..1217, 1045..1218, 1184..1246, 1201..1254, 1211..1273, 1212..1271, 1239..1331, 1270..1329		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954

Name	OJ990605_36.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	982	End	1954
GI	none	Score	57
Exons	982..1044, 992..1036, 1044..1214, 1044..1214, 1482..1811, 1487..1600, 1488..1772, 1537..1776, 1717..1926, 1744..1926, 1766..1933, 1767..1943, 1913..1954, 1923..1952		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	1116	End	1912
GI	none	Score	87
Exons	1116..1214, 1119..1214, 1482..1652, 1485..1649, 1537..1653, 1663..1911, 1667..1906, 1668..1907, 1675..1911, 1844..1912		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	1513	End	1954
GI	none	Score	649
Exons	1513..1953, 1514..1954, 1537..1953		

Seq. No.	22137	Seq. ID	OJ990605_36.9919.C3
Gene No.	46102	Strand	-
Start	903	End	1954
Name	OJ990605_36.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	1653	End	1954
GI	none	Score	404
Exons	1653..1952, 1654..1953, 1654..1953, 1844..1954		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46103	Strand	+
Start	329	End	798
Name	OJ990605_36.9919.C4.o1.gp	Method	AAT/GAP
Start	329	End	798
GI	uC-osf1cyp097b05b1	Score	907
Exons	329..798		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46104	Strand	-
Start	1444	End	2385
Name	OJ990605_36.9919.C4.o2.gp	Method	AAT/GAP
Start	1444	End	2385
GI	688_1.R1084	Score	1842
Exons	1444..2385		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o4.ts	Method	TBLASTX:Soybean
Start	10	End	333
GI	none	Score	128
Exons	10..111, 18..113, 19..111, 101..166, 104..166, 117..170, 248..283, 249..284, 287..331, 289..333, 294..332		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o4.tc	Method	TBLASTX:Cress
Start	18	End	366
GI	none	Score	129
Exons	18..113, 20..112, 101..187, 117..188, 217..270, 219..266, 240..281, 242..286, 272..301, 279..365, 281..364, 289..366		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	21	End	532
GI	none	Score	301
Exons	21..212, 21..212, 23..217, 205..285, 219..281, 222..302, 231..530, 260..532, 260..532		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	744	End	988
GI	none	Score	199
Exons	744..875, 744..881, 745..876, 865..921, 866..919, 928..987, 928..987, 929..988, 929..988		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	1007	End	1564
GI	none	Score	80
Exons	1007..1036, 1035..1124, 1037..1126, 1038..1127, 1071..1394, 1102..1434, 1123..1392, 1128..1394, 1383..1562, 1391..1564, 1417..1563		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	1327	End	1963
GI	none	Score	324
Exons	1327..1587, 1329..1571, 1563..1691, 1566..1700, 1570..1716, 1573..1695, 1616..1696, 1685..1891, 1686..1877, 1693..1881, 1833..1961, 1876..1962, 1877..1963, 1877..1963		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4

Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o2.tc	Method	TBLASTX:Cress
Start	1577	End	1951
GI	none	Score	155
Exons	1577..1690, 1579..1689, 1616..1690, 1686..1880, 1687..1881, 1688..1891, 1876..1950, 1877..1951		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o3.tc	Method	TBLASTX:Cress
Start	2062	End	2423
GI	none	Score	40
Exons	2062..2097, 2068..2097, 2069..2101, 2073..2186, 2085..2195, 2098..2196, 2098..2211, 2111..2212, 2159..2296, 2215..2295, 2247..2303, 2255..2296, 2298..2423, 2298..2423		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	2215	End	2586
GI	none	Score	133
Exons	2215..2331, 2216..2296, 2247..2303, 2310..2339, 2322..2375, 2335..2388, 2336..2389, 2378..2470, 2381..2458, 2386..2460, 2471..2524, 2472..2522, 2473..2535, 2473..2523, 2535..2585, 2560..2586		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o3.gp	Method	AAT/GAP
Start	2417	End	2586
GI	2669_1.R1084	Score	283
Exons	2417..2586		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	2423	End	2586
GI	none	Score	262
Exons	2423..2584, 2424..2585, 2435..2584, 2437..2586		

Seq. No.	22138	Seq. ID	OJ990605_36.9919.C4
Gene No.	46105	Strand	-
Start	2417	End	2586
Name	OJ990605_36.9919.C4.o5.tc	Method	TBLASTX:Cress
Start	2435	End	2586
GI	none	Score	210
Exons	2435..2584, 2435..2584, 2437..2586		

Seq. No.	22139	Seq. ID	OJ990605_36.9919.C5

Gene No.	46106	Strand	+
Start	1	End	128
Name	OJ990605_36.9919.C5.o1.gp	Method	AAT/GAP
Start	1	End	128
GI	LIB3431-040-P1-K2-C1	Score	175
Exons	1..128		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	22140	Seq. ID	OJ990605_36.9919.C6
Gene No.	46107	Strand	-
Start	433	End	586
Name	OJ990605_36.9919.C6.o1.gp	Method	AAT/GAP
Start	433	End	586
GI	306_9.R1084	Score	282
Exons	433..586		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	22140	Seq. ID	OJ990605_36.9919.C6
Gene No.	46107	Strand	-
Start	433	End	586
Name	OJ990605_36.9919.C6.o1.tc	Method	TBLASTX:Cress
Start	435	End	586
GI	none	Score	125
Exons	435..530, 435..515, 449..547, 519..584, 519..584, 520..585, 527..586		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46108	Strand	+
Start	6563	End	6724
Name	OJ990705_39.9919.C2.o4.gp	Method	AAT/GAP
Start	6563	End	6724
GI	none	Score	296
Exons	6563..6724		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46109	Strand	+
Start	10619	End	14159
Name	OJ990705_39.9919.C2.o6.gp	Method	AAT/GAP
Start	10619	End	12403
GI	6761_1.R1084	Score	1345
Exons	10619..10924, 11027..11086, 11328..11455, 11577..11662, 11765..11796, 11954..12115, 12359..12403		
GI Descrip.	'3184559 4.0e-28 (AF052290) putative c-type cytochrome biogenesis protein [Synechococcus PCC7002]'		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46109	Strand	+
Start	10619	End	14159
Name	OJ990705_39.9919.C2.o2.gs	Method	GENSCAN
Start	10988	End	14159
GI	none	Score	.78
Exons	10988..11002, 11027..11086, 11954..12115, 12359..12431,		

12532..12632, 12907..12999, 13191..13220, 14112..14159

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46109	Strand	+
Start	10619	End	14159
Name	OJ990705_39.9919.C2.o3.np	Method	AAT/NAP
Start	11364	End	13777
GI	1653775	Score	351
Exons	11364..11455, 11577..11691, 11954..12115, 12473..12632, 12907..12999, 13174..13220, 13708..13777		
GI Descrip.	(D90916) thiol:disulfide interchange protein DsbD [Synechocystis sp.]		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46109	Strand	+
Start	10619	End	14159
Name	OJ990705_39.9919.C2.o7.gp	Method	AAT/GAP
Start	13192	End	14100
GI	none	Score	804
Exons	13192..13220, 13708..14100		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46110	Strand	-
Start	288	End	10904
Name	OJ990705_39.9919.C2.o1.gs	Method	GENSCAN
Start	288	End	10904
GI	none	Score	.75
Exons	288..522, 1235..1512, 2089..2160, 2892..3053, 3251..3355, 3484..3570, 3754..3928, 5969..6722, 8932..9076, 10200..10403, 10773..10904		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46110	Strand	-
Start	288	End	10904
Name	OJ990705_39.9919.C2.o1.np	Method	AAT/NAP
Start	291	End	4071
GI	984756	Score	1366
Exons	291..522, 1235..1289, 1394..1512, 2089..2155, 2285..2325, 2894..3053, 3251..3355, 3484..3570, 3683..3805, 3914..4071		
GI Descrip.	(Z54153) chilling-inducible protein [Oryza sativa]		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46110	Strand	-
Start	288	End	10904
Name	OJ990705_39.9919.C2.o1.gp	Method	AAT/GAP
Start	412	End	2171
GI	LIB3434-024-P1-K1-G9	Score	869
Exons	412..522, 1235..1512, 2089..2171		
GI Descrip.	'5107033/gb|AAD39930.1|AF133708_1 2.0e-52 (AF133708) PP2A regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46110	Strand	-
Start	288	End	10904
Name	OJ990705_39.9919.C2.o3.gp	Method	AAT/GAP
Start	2528	End	4213
GI	240_1.R1084	Score	1059

Exons	2528..2547, 2877..3053, 3251..3355, 3484..3570, 3683..3805, 3914..4213		
GI Descrip.	'984756/emb|CAA90866| 1.0e-171 (Z54153) chilling-inducible protein [Oryza sativa]'		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46110	Strand	-
Start	288	End	10904
Name	OJ990705_39.9919.C2.o2.gp	Method	AAT/GAP
Start	2877	End	4101
GI	240_1.R1084	Score	996
Exons	2877..3053, 3251..3355, 3484..3570, 3683..3805, 3914..4101		
GI Descrip.	'984756/emb|CAA90866| 1.0e-171 (Z54153) chilling-inducible protein [Oryza sativa]'		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46110	Strand	-
Start	288	End	10904
Name	OJ990705_39.9919.C2.o2.np	Method	AAT/NAP
Start	6404	End	7759
GI	4678923	Score	167
Exons	6404..6870, 7689..7759		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46110	Strand	-
Start	288	End	10904
Name	OJ990705_39.9919.C2.o5.gp	Method	AAT/GAP
Start	10200	End	10475
GI	none	Score	413
Exons	10200..10475		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	273	End	4142
GI	none	Score	160
Exons	273..425, 282..524, 289..525, 1196..1513, 1234..1515, 1234..1512, 1235..1513, 2087..2161, 2087..2188, 2285..2326, 2289..2327, 2889..2945, 2935..3054, 2957..3055, 3237..3356, 3237..3356, 3244..3360, 3245..3358, 3482..3577, 3482..3574, 3484..3600, 3680..3808, 3681..3806, 3683..3808, 3922..4011, 3958..3990, 4018..4071, 4074..4142		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	285	End	3842
GI	none	Score	92
Exons	285..392, 288..344, 408..524, 415..525, 1196..1507, 1234..1500, 2096..2170, 3484..3600, 3680..3808, 3681..3842		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830

Name	OJ990705_39.9919.C2.o2.tc	Method	TBLASTX:Cress
Start	288	End	525
GI	none	Score	73
Exons	288..344, 289..366, 291..365, 408..524, 451..525		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	6448	End	6705
GI	none	Score	107
Exons	6448..6705, 6448..6705		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o5.tm	Method	TBLASTX:Maize
Start	6568	End	6724
GI	none	Score	153
Exons	6568..6705, 6572..6706, 6573..6707, 6626..6724		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o2.ts	Method	TBLASTX:Soybean
Start	11337	End	12118
GI	none	Score	125
Exons	11337..11453, 11345..11461, 11364..11453, 11372..11455, 11569..11646, 11574..11663, 11587..11670, 11764..11799, 11953..12114, 11954..12118		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o3.tm	Method	TBLASTX:Maize
Start	11565	End	12425
GI	none	Score	99
Exons	11565..11663, 11593..11670, 11597..11701, 11598..11663, 11763..11798, 11764..11799, 11952..12116, 11953..12117, 11953..12117, 11954..12118, 12333..12425, 12357..12425		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o4.tm	Method	TBLASTX:Maize
Start	12521	End	13785
GI	none	Score	178
Exons	12521..12646, 12524..12631, 12904..12999, 12906..12998, 12913..12999, 13126..13218, 13173..13220, 13174..13218, 13705..13740, 13707..13742, 13708..13743, 13722..13784, 13739..13783, 13741..13785		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o8.gp	Method	AAT/GAP
Start	14286	End	14822

GI	5607609	Score	800
Exons	14286..14641, 14739..14822		

Seq. No.	22141	Seq. ID	OJ990705_39.9919.C2
Gene No.	46111	Strand	-
Start	14286	End	14830
Name	OJ990705_39.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	14400	End	14830
GI	none	Score	76
Exons	14400..14450, 14401..14493, 14402..14488, 14432..14491, 14446..14493, 14481..14672, 14484..14654, 14737..14820, 14738..14821, 14738..14830		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46112	Strand	+
Start	5960	End	12313
Name	OJ990705_39.9919.C3.o1.np	Method	AAT/NAP
Start	5960	End	11986
GI	6056209	Score	705
Exons	5960..6085, 9318..9837, 10850..10896, 10998..11173, 11881..11986		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46112	Strand	+
Start	5960	End	12313
Name	OJ990705_39.9919.C3.o2.gs	Method	GENSCAN
Start	8901	End	11985
GI	none	Score	.96
Exons	8901..9837, 10850..10896, 10998..11173, 11771..11789, 11881..11985		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46112	Strand	+
Start	5960	End	12313
Name	OJ990705_39.9919.C3.o6.gp	Method	AAT/GAP
Start	9808	End	12313
GI	16175_1.R1084	Score	1286
Exons	9808..9837, 10850..10896, 10998..11173, 11881..12313		
GI Descrip.	'6056209/gb|AAF02826.1|AC009400_22 1.0e-36 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46113	Strand	+
Start	15386	End	16483
Name	OJ990705_39.9919.C3.o3.gs	Method	GENSCAN
Start	15386	End	16483
GI	none	Score	1
Exons	15386..16483		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46115	Strand	-
Start	2484	End	2872
Name	OJ990705_39.9919.C3.o2.gp	Method	AAT/GAP
Start	2484	End	2872
GI	none	Score	674
Exons	2484..2872		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46116	Strand	-
Start	2990	End	3851
Name	OJ990705_39.9919.C3.o3.gp	Method	AAT/GAP
Start	2990	End	3851
GI	5607608	Score	763
Exons	2990..3042, 3187..3284, 3584..3851		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46117	Strand	-
Start	9165	End	9774
Name	OJ990705_39.9919.C3.o5.gp	Method	AAT/GAP
Start	9165	End	9774
GI	14262_1.R1084	Score	849
Exons	9165..9228, 9272..9774		
GI Descrip.	'6056209/gb|AAF02826.1|AC009400_22 7.0e-17 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	2011	End	3290
GI	none	Score	84
Exons	2011..2091, 2012..2074, 2152..2214, 2153..2215, 2156..2233, 2157..2234, 2366..2386, 2390..2452, 2719..2862, 2743..2895, 2744..2869, 2808..2870, 2960..3052, 2960..3025, 2970..3041, 3185..3286, 3186..3290		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	9633	End	9794
GI	none	Score	231
Exons	9633..9794, 9635..9706		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o6.tm	Method	TBLASTX:Maize
Start	9704	End	10925
GI	none	Score	224
Exons	9704..9838, 9705..9839, 10848..10925, 10849..10896		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	9750	End	11985
GI	none	Score	124
Exons	9750..9839, 9752..9838, 10848..10901, 10849..10896, 10855..10914, 10995..11174, 10997..11176, 10998..11198, 11772..11789, 11871..11981, 11875..11985		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-

Start	17014	End	21115
Name	OJ990705_39.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	10974	End	12083
GI	none	Score	277
Exons	10974..11174, 11000..11176, 11009..11176, 11772..11789, 11871..11984, 11875..11985, 12051..12083		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o7.gp	Method	AAT/GAP
Start	16761	End	18046
GI	10910_1.R1084	Score	1666
Exons	16761..17319, 17594..17892, 17994..18046		
GI Descrip.	'1805654/emb|CAA68234| 2.0e-63 (X99972) calmodulin-stimulated calcium-ATPase [Brassica oleracea]'		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o7.tm	Method	TBLASTX:Maize
Start	17003	End	17274
GI	none	Score	63
Exons	17003..17065, 17008..17079, 17082..17192, 17083..17274, 17083..17274		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o2.np	Method	AAT/NAP
Start	17008	End	20867
GI	2618691	Score	3171
Exons	17008..17319, 17594..17892, 17994..18165, 18336..18494, 18569..20511, 20601..20658, 20703..20867		
GI Descrip.	(AC002510) putative Ca2+-ATPase [Arabidopsis thaliana]		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o4.gs	Method	GENSCAN
Start	17014	End	21115
GI	none	Score	.62
Exons	17014..17319, 17594..17892, 17994..18165, 18336..18494, 18569..20511, 21097..21115		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	17077	End	20661
GI	none	Score	85
Exons	17077..17328, 17077..17322, 17591..17938, 17720..17884, 17724..17924, 17992..18168, 17993..18124, 18310..18498, 18332..18499, 18333..18500, 18333..18500, 18566..19246, 18618..19259, 19311..19553, 19313..20326, 19343..19555, 19610..20023, 19635..20303, 19867..20346, 20316..20498, 20327..20497, 20596..20661, 20615..20656		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	17084	End	19186
GI	none	Score	67
Exons	17084..17278, 17149..17322, 17577..17903, 17591..17938, 17992..18168, 17993..18124, 18049..18168, 18331..18495, 18333..18500, 18336..18518, 18566..18799, 18566..19186, 18618..19184, 18944..19186		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	17275	End	19237
GI	none	Score	242
Exons	17275..17322, 17591..17938, 17594..17896, 17992..18168, 17993..18124, 18027..18167, 18046..18168, 18331..18498, 18332..18496, 18333..18500, 18566..19237, 18621..19220		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	19127	End	19469
GI	none	Score	204
Exons	19127..19246, 19149..19469, 19306..19467, 19307..19468		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	19190	End	19907
GI	none	Score	578
Exons	19190..19903, 19194..19907, 19659..19904		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	19334	End	20045
GI	none	Score	654
Exons	19334..19594, 19344..20045, 19637..20044		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115
Name	OJ990705_39.9919.C3.o4.ts	Method	TBLASTX:Soybean
Start	19997	End	20332
GI	none	Score	145
Exons	19997..20332, 20097..20330		

Seq. No.	22142	Seq. ID	OJ990705_39.9919.C3
Gene No.	46118	Strand	-
Start	17014	End	21115

Name	OJ990705_39.9919.C3.o5.tm	Method	TBLASTX:Maize
Start	20192	End	20660
GI	none	Score	227
Exons	20192..20437, 20196..20447, 20402..20500, 20427..20480, 20596..20652, 20597..20632, 20622..20660		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46119	Strand	+
Start	2681	End	7258
Name	OJ990705_39.9919.C4.o1.np	Method	AAT/NAP
Start	2140	End	2329
GI	4755191	Score	66
Exons	2140..2329		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46119	Strand	+
Start	2681	End	7258
Name	OJ990705_39.9919.C4.o2.gs	Method	GENSCAN
Start	2681	End	7258
GI	none	Score	.47
Exons	2681..2794, 3140..3330, 3423..3514, 3559..3814, 5595..6124, 6442..6527, 6712..6870, 6935..7258		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46120	Strand	+
Start	9750	End	11004
Name	OJ990705_39.9919.C4.o2.gp	Method	AAT/GAP
Start	9750	End	11004
GI	none	Score	2421
Exons	9750..11004		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46121	Strand	+
Start	11265	End	11854
Name	OJ990705_39.9919.C4.o3.gp	Method	AAT/GAP
Start	11265	End	11854
GI	none	Score	1132
Exons	11265..11854		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46122	Strand	-
Start	524	End	847
Name	OJ990705_39.9919.C4.o1.gs	Method	GENSCAN
Start	524	End	847
GI	none	Score	.85
Exons	524..598, 662..847		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46123	Strand	-
Start	4592	End	12176
Name	OJ990705_39.9919.C4.o2.np	Method	AAT/NAP
Start	4592	End	12176
GI	4680183	Score	175
Exons	4592..4681, 5292..5362, 11765..11905, 12154..12176		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46123	Strand	-
Start	4592	End	12176
Name	OJ990705_39.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	6790	End	7147
GI	none	Score	46
Exons	6790..6825, 6929..7144, 6932..7147		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46123	Strand	-
Start	4592	End	12176
Name	OJ990705_39.9919.C4.o3.gs	Method	GENSCAN
Start	8147	End	9882
GI	none	Score	.56
Exons	8147..8311, 9367..9606, 9790..9882		

Seq. No.	22143	Seq. ID	OJ990705_39.9919.C4
Gene No.	46123	Strand	-
Start	4592	End	12176
Name	OJ990705_39.9919.C4.o1.gp	Method	AAT/GAP
Start	9042	End	9343
GI	uC-osflcyp154c08a1	Score	395
Exons	9042..9343		
GI Descrip.	'5701799/emb|CAB52175.1| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		

Seq. No.	22144	Seq. ID	OJ990705_39.9919.C5
Gene No.	46124	Strand	+
Start	91	End	244
Name	OJ990705_39.9919.C5.o1.gs	Method	GENSCAN
Start	91	End	244
GI	none	Score	.45
Exons	91..244		

Seq. No.	22145	Seq. ID	OJ990705_39.9919.C6
Gene No.	46125	Strand	+
Start	415	End	1093
Name	OJ990705_39.9919.C6.o1.gs	Method	GENSCAN
Start	415	End	1052
GI	none	Score	.87
Exons	415..533, 701..1052		

Seq. No.	22145	Seq. ID	OJ990705_39.9919.C6
Gene No.	46125	Strand	+
Start	415	End	1093
Name	OJ990705_39.9919.C6.o1.np	Method	AAT/NAP
Start	470	End	1093
GI	2498930	Score	697
Exons	470..533, 701..1093		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	22146	Seq. ID	OJ990705_39.9919.C8
Gene No.	46126	Strand	+
Start	1788	End	6119
Name	OJ990705_39.9919.C8.o2.np	Method	AAT/NAP

Start	1788	End	6119
GI	3850583	Score	324
Exons	1788..1968, 3123..3266, 4496..4595, 5253..5387, 6046..6119		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb|X63468 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	22146	Seq. ID	OJ990705_39.9919.C8
Gene No.	46127	Strand	-
Start	1	End	1367
Name	OJ990705_39.9919.C8.o1.np	Method	AAT/NAP
Start	1	End	1367
GI	6598445	Score	243
Exons	1..206, 611..778, 1158..1367		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	22146	Seq. ID	OJ990705_39.9919.C8
Gene No.	46128	Strand	-
Start	5224	End	6119
Name	OJ990705_39.9919.C8.o2.gs	Method	GENSCAN
Start	5224	End	5971
GI	none	Score	.79
Exons	5224..5259, 5490..5660, 5915..5971		

Seq. No.	22146	Seq. ID	OJ990705_39.9919.C8
Gene No.	46128	Strand	-
Start	5224	End	6119
Name	OJ990705_39.9919.C8.o3.np	Method	AAT/NAP
Start	5607	End	6119
GI	5042454	Score	217
Exons	5607..5660, 5915..6119		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46129	Strand	+
Start	932	End	4220
Name	OJ990705_39.9919.C9.o1.np	Method	AAT/NAP
Start	932	End	4220
GI	6907089	Score	5141
Exons	932..2193, 2288..4220		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46130	Strand	+
Start	12198	End	14710
Name	OJ990705_39.9919.C9.o4.np	Method	AAT/NAP
Start	12198	End	14707
GI	3850583	Score	296
Exons	12198..12387, 13039..13221, 13499..13771, 13826..14039, 14610..14707		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb|X63468 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46130	Strand	+
Start	12198	End	14710

Name	OJ990705_39.9919.C9.o3.gs	Method	GENSCAN
Start	13129	End	14710
GI	none	Score	.94
Exons	13129..13221, 13499..13717, 13826..14039, 14610..14710		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46131	Strand	+
Start	16292	End	16574
Name	OJ990705_39.9919.C9.o4.gs	Method	GENSCAN
Start	16292	End	16574
GI	none	Score	.66
Exons	16292..16402, 16407..16574		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46132	Strand	+
Start	18855	End	19473
Name	OJ990705_39.9919.C9.o6.gs	Method	GENSCAN
Start	18855	End	19473
GI	none	Score	.9
Exons	18855..19154, 19204..19473		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46133	Strand	+
Start	19920	End	21470
Name	OJ990705_39.9919.C9.o5.np	Method	AAT/NAP
Start	19886	End	21461
GI	4204095	Score	867
Exons	19886..21461		
GI Descrip.	(AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46133	Strand	+
Start	19920	End	21470
Name	OJ990705_39.9919.C9.o7.gs	Method	GENSCAN
Start	19920	End	21470
GI	none	Score	.66
Exons	19920..21470		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46134	Strand	+
Start	31289	End	40116
Name	OJ990705_39.9919.C9.o9.np	Method	AAT/NAP
Start	31289	End	40116
GI	5420387	Score	269
Exons	31289..31351, 35933..36083, 36141..36317, 38201..38601, 39989..40116		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46134	Strand	+
Start	31289	End	40116
Name	OJ990705_39.9919.C9.o8.np	Method	AAT/NAP
Start	36003	End	39104
GI	2191178	Score	593
Exons	36003..37106, 38969..39104		
GI Descrip.	(AF007270) contains similarity to MIPP proteins [Arabidopsis thaliana]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46135	Strand	-
Start	4854	End	10498
Name	OJ990705_39.9919.C9.o2.np	Method	AAT/NAP
Start	4854	End	10498
GI	6498441	Score	6944
Exons	4854..5135, 5229..6626, 6798..7094, 7287..7713, 7888..8022, 8206..8579, 8643..9106, 9437..10498		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46136	Strand	-
Start	11227	End	18350
Name	OJ990705_39.9919.C9.o3.np	Method	AAT/NAP
Start	11227	End	18180
GI	5042454	Score	249
Exons	11227..11280, 11536..11711, 11937..11999, 17439..17715, 18111..18180		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46136	Strand	-
Start	11227	End	18350
Name	OJ990705_39.9919.C9.o5.gs	Method	GENSCAN
Start	17010	End	18350
GI	none	Score	1
Exons	17010..18350		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46137	Strand	-
Start	22409	End	22566
Name	OJ990705_39.9919.C9.o1.gp	Method	AAT/GAP
Start	22409	End	22566
GI	3090639	Score	231
Exons	22409..22566		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46138	Strand	-
Start	23450	End	25902
Name	OJ990705_39.9919.C9.o6.np	Method	AAT/NAP
Start	23450	End	25902
GI	5903044	Score	1507
Exons	23450..25902		
GI Descrip.	(AC008016) Contains 3 PF|01535 DUF domains. [Arabidopsis thaliana]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46139	Strand	-
Start	26333	End	26868
Name	OJ990705_39.9919.C9.o2.gp	Method	AAT/GAP
Start	26333	End	26868
GI	none	Score	748
Exons	26333..26665, 26798..26868		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46140	Strand	-
Start	28448	End	30013
Name	OJ990705_39.9919.C9.o7.np	Method	AAT/NAP
Start	28448	End	30013
GI	4204095	Score	911
Exons	28448..30013		
GI Descrip.	(AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46141	Strand	-
Start	31564	End	34292
Name	OJ990705_39.9919.C9.o3.gp	Method	AAT/GAP
Start	31544	End	31993
GI	none	Score	859
Exons	31544..31993		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46141	Strand	-
Start	31564	End	34292
Name	OJ990705_39.9919.C9.o9.gs	Method	GENSCAN
Start	31564	End	34292
GI	none	Score	.9
Exons	31564..31757, 32029..32293, 32373..32483, 32822..32983, 34266..34292		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o8.tw	Method	TBLASTX:Wheat
Start	4863	End	5465
GI	none	Score	79
Exons	4863..4988, 4867..4989, 5181..5465, 5182..5460		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o4.tw	Method	TBLASTX:Wheat
Start	5466	End	5847
GI	none	Score	168
Exons	5466..5846, 5497..5745, 5505..5843, 5791..5847		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o6.tm	Method	TBLASTX:Maize
Start	5661	End	5985
GI	none	Score	178
Exons	5661..5885, 5674..5886, 5890..5985		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o9.tw	Method	TBLASTX:Wheat
Start	6177	End	6489
GI	none	Score	69
Exons	6177..6437, 6313..6489		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o5.tw	Method	TBLASTX:Wheat
Start	6492	End	9949
GI	none	Score	88
Exons	6492..6641, 6493..6630, 6675..6926, 6676..6861, 6696..6950, 9896..9949		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o3.ts	Method	TBLASTX:Soybean
Start	7551	End	7922
GI	none	Score	91
Exons	7551..7922, 7747..7905		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o2.tw	Method	TBLASTX:Wheat
Start	7581	End	8001
GI	none	Score	316
Exons	7581..8000, 7588..8001		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o4.tm	Method	TBLASTX:Maize
Start	7674	End	8058
GI	none	Score	233
Exons	7674..8057, 7693..8058		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o3.tm	Method	TBLASTX:Maize
Start	8085	End	8441
GI	none	Score	125
Exons	8085..8390, 8085..8441, 8095..8406		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o1.tw	Method	TBLASTX:Wheat
Start	8109	End	8572
GI	none	Score	227
Exons	8109..8570, 8115..8570, 8116..8571, 8129..8572		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o6.ts	Method	TBLASTX:Soybean
Start	8166	End	8531
GI	none	Score	118
Exons	8166..8300, 8307..8531		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o3.tw	Method	TBLASTX:Wheat
Start	8736	End	9222
GI	none	Score	77
Exons	8736..9221, 8763..9017, 8767..9027, 9085..9222		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o7.tw	Method	TBLASTX:Wheat
Start	9957	End	10509
GI	none	Score	92
Exons	9957..10214, 9991..10230, 10197..10295, 10198..10290, 10302..10349, 10474..10509		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o8.tm	Method	TBLASTX:Maize
Start	10059	End	10344
GI	none	Score	92
Exons	10059..10307, 10060..10344		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o9.tm	Method	TBLASTX:Maize
Start	12193	End	13173
GI	none	Score	191
Exons	12193..12384, 12197..12379, 13020..13151, 13028..13165, 13030..13173		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o5.ts	Method	TBLASTX:Soybean
Start	19309	End	38704
GI	none	Score	63
Exons	19309..19389, 19363..19434, 38254..38334, 38258..38335, 38510..38704, 38515..38688		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	20004	End	29905
GI	none	Score	60
Exons	20004..20051, 20055..20411, 20057..20323, 20163..20411, 29498..29749, 29522..29854, 29586..29852, 29858..29905		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o1.ts	Method	TBLASTX:Soybean

Start	20165	End	29740
GI	none	Score	213
Exons	20165..20323, 20169..20411, 20445..20558, 20565..20744, 20807..20908, 20808..20948, 20976..21047, 20988..21221, 21044..21220, 21221..21328, 21222..21368, 21390..21446, 28463..28519, 28541..28687, 28587..28688, 28688..28921, 28689..28934, 28961..29101, 29010..29102, 29165..29326, 29375..29428, 29522..29740, 29586..29738		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o1.tc	Method	TBLASTX:Cress
Start	20169	End	29744
GI	none	Score	189
Exons	20169..20411, 20180..20323, 20454..20537, 20976..21068, 21089..21229, 21090..21227, 21237..21356, 21254..21322, 28568..28672, 28587..28655, 28680..28820, 28682..28819, 28841..28933, 28848..28934, 28949..29098, 29016..29099, 29075..29143, 29156..29269, 29372..29422, 29552..29740, 29586..29744		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o2.tm	Method	TBLASTX:Maize
Start	20454	End	29231
GI	none	Score	80
Exons	20454..20543, 20537..20560, 20660..20725, 20766..20843, 20807..20890, 20874..20948, 20957..21226, 20958..21227, 21249..21365, 21251..21325, 28544..28660, 28584..28658, 28682..28951, 28683..28955, 28949..29107, 29019..29102, 29184..29231		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o6.tw	Method	TBLASTX:Wheat
Start	20807	End	29125
GI	none	Score	73
Exons	20807..20890, 20808..20960, 20874..20948, 20952..21206, 20957..21205, 28703..28951, 28704..28955, 28949..29125, 29019..29102		

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o2.tc	Method	TBLASTX:Cress
Start	23624	End	25411
GI	none	Score	63
Exons	23624..23830, 23636..23767, 23888..24247, 23889..24152, 23894..24091, 23895..24251, 23897..24160, 23981..24163, 23981..24352, 24098..24289, 24104..24475, 24203..24421, 24209..24616, 24308..24499, 24312..24626, 24314..24667, 24318..24686, 24395..24622, 24410..24823, 24495..24824, 24512..24691, 24527..24880, 24605..24814, 24606..24878, 24612..24983, 24632..24997, 24728..24919, 24731..24934,		

24734..25087, 24836..25015, 24842..25192, 24953..25273,
25028..25201, 25055..25402, 25151..25360, 25154..25402,
25223..25411

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o7.tm	Method	TBLASTX:Maize
Start	23627	End	25411
GI	none	Score	147

Exons 23627..23782, 23894..24361, 23897..24460, 23960..24562,
24053..24676, 24173..24772, 24356..24991, 24452..25096,
24566..25201, 24812..25411, 24989..25411

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o2.ts	Method	TBLASTX:Soybean
Start	23639	End	25306
GI	none	Score	71

Exons 23639..23806, 23882..24247, 23897..24577, 23897..24268,
23918..24055, 24008..24778, 24008..24370, 24009..24164,
24011..24877, 24024..24143, 24029..24142, 24104..24241,
24197..24340, 24221..25075, 24225..24386, 24246..24365,
24266..24433, 24452..25276, 24527..24655, 24528..24668,
24551..25171, 24558..24914, 24620..24982, 24653..25276,
24842..25177, 24842..24964, 24983..25096, 25154..25306

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o3.tc	Method	TBLASTX:Cress
Start	26415	End	32899
GI	none	Score	52

Exons 26415..26528, 26544..26600, 26580..26666, 27086..27175,
27093..27170, 27272..27331, 27282..27329, 27478..27549,
27656..27718, 31537..31620, 31639..31758, 31980..32063,
31987..32064, 32162..32275, 32364..32486, 32425..32487,
32594..32671, 32598..32642, 32837..32899

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-
Start	38547	End	42026
Name	OJ990705_39.9919.C9.o5.tm	Method	TBLASTX:Maize
Start	26601	End	32949
GI	none	Score	95

Exons 26601..26666, 26763..26870, 27091..27204, 27092..27205,
27093..27215, 27257..27331, 27258..27332, 27266..27370,
27478..27549, 27497..27574, 27656..27718, 27785..27898,
31669..31758, 31691..31759, 31980..32063, 31987..32064,
32162..32293, 32175..32318, 32194..32289, 32244..32294,
32370..32483, 32371..32484, 32374..32484, 32378..32488,
32381..32497, 32594..32653, 32598..32654, 32599..32655,
32822..32887, 32826..32888, 32878..32949

Seq. No.	22147	Seq. ID	OJ990705_39.9919.C9
Gene No.	46142	Strand	-

Start	38547	End	42026
Name	OJ990705_39.9919.C9.o10.np	Method	AAT/NAP
Start	38547	End	42026
GI	6523547	Score	139
Exons	38547..38647, 39835..40015, 40373..40407, 40485..40553, 41928..42026		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	22148	Seq. ID	OJ990705_39.9919.C10
Gene No.	46143	Strand	+
Start	986	End	2073
Name	OJ990705_39.9919.C10.o1.gs	Method	GENSCAN
Start	986	End	2073
GI	none	Score	.93
Exons	986..1168, 1291..2073		

Seq. No.	22148	Seq. ID	OJ990705_39.9919.C10
Gene No.	46143	Strand	+
Start	986	End	2073
Name	OJ990705_39.9919.C10.o1.np	Method	AAT/NAP
Start	1013	End	2070
GI	542058	Score	633
Exons	1013..1469, 1506..2070		
GI Descrip.	HSR203J protein - common tobacco gi|444002|emb|CAA54393| (X77136) HSR203J [Nicotiana tabacum]		

Seq. No.	22148	Seq. ID	OJ990705_39.9919.C10
Gene No.	46144	Strand	+
Start	2146	End	2426
Name	OJ990705_39.9919.C10.o1.gp	Method	AAT/GAP
Start	2146	End	2426
GI	none	Score	380
Exons	2146..2426		

Seq. No.	22148	Seq. ID	OJ990705_39.9919.C10
Gene No.	46145	Strand	+
Start	3841	End	4017
Name	OJ990705_39.9919.C10.o2.gp	Method	AAT/GAP
Start	3841	End	4017
GI	10431_1.R1084	Score	307
Exons	3841..4017		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	22148	Seq. ID	OJ990705_39.9919.C10
Gene No.	46146	Strand	-
Start	3253	End	3274
Name	OJ990705_39.9919.C10.o1.tm	Method	TBLASTX:Maize
Start	977	End	1584
GI	none	Score	76
Exons	977..1087, 1094..1171, 1261..1329, 1280..1324, 1326..1463, 1345..1464, 1495..1572, 1516..1584		

Seq. No.	22148	Seq. ID	OJ990705_39.9919.C10
Gene No.	46146	Strand	-
Start	3253	End	3274

Name	OJ990705_39.9919.C10.o1.ts	Method	TBLASTX:Soybean
Start	1025	End	1809
GI	none	Score	76
Exons	1025..1087, 1261..1281, 1280..1321, 1357..1452, 1387..1440, 1513..1572, 1545..1568, 1626..1778, 1636..1809		

Seq. No.	22148	Seq. ID	OJ990705_39.9919.C10
Gene No.	46146	Strand	-
Start	3253	End	3274
Name	OJ990705_39.9919.C10.o2.gs	Method	GENSCAN
Start	3253	End	3274
GI	none	Score	.45
Exons	3253..3274		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46147	Strand	+
Start	967	End	1146
Name	OJ990705_39.9919.C11.o1.gs	Method	GENSCAN
Start	967	End	1146
GI	none	Score	.47
Exons	967..1146		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46148	Strand	+
Start	1675	End	2777
Name	OJ990705_39.9919.C11.o1.gp	Method	AAT/GAP
Start	1675	End	1975
GI	none	Score	598
Exons	1675..1975		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46148	Strand	+
Start	1675	End	2777
Name	OJ990705_39.9919.C11.o1.np	Method	AAT/NAP
Start	1755	End	2777
GI	542058	Score	683
Exons	1755..2777		
GI Descrip.	HSR203J protein - common tobacco gi|444002|emb|CAA54393| (X77136) HSR203J [Nicotiana tabacum]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46149	Strand	+
Start	8147	End	9448
Name	OJ990705_39.9919.C11.o4.gs	Method	GENSCAN
Start	8147	End	9433
GI	none	Score	.47
Exons	8147..9433		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46149	Strand	+
Start	8147	End	9448
Name	OJ990705_39.9919.C11.o3.np	Method	AAT/NAP
Start	8366	End	9448
GI	4049341	Score	1173
Exons	8366..9448		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o4.np	Method	AAT/NAP
Start	13079	End	15829
GI	2252863	Score	784
Exons	13079..13513, 13554..13711, 14285..14441, 14517..14691, 14785..14991, 15113..15285, 15387..15478, 15625..15718, 15773..15829		
GI Descrip.	(AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o5.gs	Method	GENSCAN
Start	13079	End	19296
GI	none	Score	.62
Exons	13079..13231, 13259..13495, 13578..13688, 14298..14438, 14517..14687, 14787..14991, 15113..15285, 15396..15426, 15625..15764, 15997..16050, 16086..16157, 16293..16476, 17446..17838, 18266..18373, 18711..18795, 19007..19227, 19262..19296		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o4.gp	Method	AAT/GAP
Start	13295	End	14444
GI	2280544	Score	816
Exons	13295..13495, 13578..13688, 14298..14444		
GI Descrip.	2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o5.gp	Method	AAT/GAP
Start	14519	End	15418
GI	20710_1.R1084	Score	1022
Exons	14519..14687, 14787..14991, 15113..15285, 15396..15418		
GI Descrip.	'2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o5.np	Method	AAT/NAP
Start	17301	End	17765
GI	4581120	Score	358
Exons	17301..17765		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o6.np	Method	AAT/NAP
Start	18293	End	19213

GI	6498461	Score	801
Exons	18293..18373, 18598..18684, 18711..18795, 18890..19213		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o7.np	Method	AAT/NAP
Start	19121	End	24137
GI	3461846	Score	748
Exons	19121..19173, 22930..24137		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46150	Strand	+
Start	13079	End	24358
Name	OJ990705_39.9919.C11.o7.gs	Method	GENSCAN
Start	22492	End	24358
GI	none	Score	.67
Exons	22492..23685, 23730..24144, 24255..24358		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46151	Strand	-
Start	3809	End	7015
Name	OJ990705_39.9919.C11.o3.gs	Method	GENSCAN
Start	3809	End	7015
GI	none	Score	.84
Exons	3809..3891, 4773..4809, 6052..6181, 6375..6571, 6866..7015		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46151	Strand	-
Start	3809	End	7015
Name	OJ990705_39.9919.C11.o2.np	Method	AAT/NAP
Start	4502	End	6171
GI	4512415	Score	128
Exons	4502..4595, 4706..4809, 6052..6171		
GI Descrip.	(AB017508) rplX homologue (identity of 84% to B. subtilis) [Bacillus halodurans]		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46151	Strand	-
Start	3809	End	7015
Name	OJ990705_39.9919.C11.o2.gp	Method	AAT/GAP
Start	4689	End	4811
GI	LIB3434-014-P1-K1-D7	Score	160
Exons	4689..4811		
GI Descrip.	'3861188/emb|CAA15088| 7.0e-18 (AJ235272) 50S RIBOSOMAL PROTEIN L24 (rplX) [Rickettsia prowazekii]'		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46151	Strand	-
Start	3809	End	7015
Name	OJ990705_39.9919.C11.o3.gp	Method	AAT/GAP
Start	6048	End	6420
GI	LIB3434-014-P1-K1-D7	Score	448
Exons	6048..6147, 6235..6420		

GI Descrip. '3861188/emb|CAA15088| 7.0e-18 (AJ235272) 50S RIBOSOMAL PROTEIN L24 (rplX) [Rickettsia prowazekii]'

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46152	Strand	-
Start	21680	End	21883
Name	OJ990705_39.9919.C11.o6.gs	Method	GENSCAN
Start	21680	End	21883
GI	none	Score	.64
Exons	21680..21696, 21745..21883		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o4.tm	Method	TBLASTX:Maize
Start	1773	End	2291
GI	none	Score	64
Exons	1773..1829, 1832..1921, 1833..1979, 1973..2071, 1977..2063, 2057..2275, 2073..2291		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o4.ts	Method	TBLASTX:Soybean
Start	1773	End	2540
GI	none	Score	71
Exons	1773..1829, 1832..1927, 1833..1928, 1976..2011, 1977..2063, 2085..2180, 2087..2179, 2223..2297, 2237..2296, 2331..2540, 2369..2479		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o7.tm	Method	TBLASTX:Maize
Start	2535	End	2871
GI	none	Score	113
Exons	2535..2663, 2643..2780, 2664..2780, 2836..2871		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o2.tw	Method	TBLASTX:Wheat
Start	3771	End	4810
GI	none	Score	122
Exons	3771..3890, 3809..3889, 4460..4594, 4461..4595, 4463..4597, 4693..4809, 4703..4810, 4704..4808, 4705..4809		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o5.ts	Method	TBLASTX:Soybean
Start	3809	End	6303
GI	none	Score	87
Exons	3809..3889, 3816..3890, 4395..4415, 4458..4595, 4463..4594, 4466..4597, 4693..4809, 4705..4809, 6049..6147, 6050..6100, 6232..6303, 6233..6298		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o5.tm	Method	TBLASTX:Maize
Start	4518	End	6295
GI	none	Score	119
Exons	4518..4595, 4520..4597, 4520..4594, 4522..4596, 4693..4809, 4703..4810, 4704..4805, 4705..4809, 6047..6100, 6047..6145, 6049..6147, 6051..6113, 6052..6150, 6226..6270, 6232..6294, 6233..6295		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o1.tm	Method	TBLASTX:Maize
Start	8407	End	9322
GI	none	Score	231
Exons	8407..8823, 8411..8548, 8612..9055, 8819..9055, 9050..9322, 9088..9285, 9152..9301		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o3.tw	Method	TBLASTX:Wheat
Start	8407	End	8548
GI	none	Score	229
Exons	8407..8547, 8411..8548		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o1.tc	Method	TBLASTX:Cress
Start	8411	End	8854
GI	none	Score	214
Exons	8411..8548, 8420..8533, 8428..8547, 8612..8854, 8635..8823		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o3.ts	Method	TBLASTX:Soybean
Start	8411	End	8803
GI	none	Score	217
Exons	8411..8548, 8414..8533, 8428..8547, 8612..8803, 8623..8787		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o1.tw	Method	TBLASTX:Wheat
Start	8672	End	8973
GI	none	Score	399
Exons	8672..8971, 8674..8823, 8819..8971, 8926..8973, 8929..8973		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o1.ts	Method	TBLASTX:Soybean
Start	8804	End	9322

GI	none	Score	339
Exons	8804..9052, 8819..9052, 9080..9235, 9094..9234, 9235..9285, 9236..9322		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o2.tm	Method	TBLASTX:Maize
Start	13323	End	15476
GI	none	Score	127
Exons	13323..13502, 13324..13503, 13362..13496, 13364..13498, 13364..13507, 13576..13689, 13587..13688, 13591..13689, 14292..14438, 14293..14388, 14296..14439, 14297..14455, 14297..14437, 14515..14652, 14516..14662, 14529..14684, 14529..14663, 14531..14674, 14780..14992, 14784..15011, 14786..14971, 15064..15159, 15068..15178, 15146..15232, 15150..15260, 15171..15233, 15248..15295, 15249..15296, 15392..15475, 15393..15476		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o2.ts	Method	TBLASTX:Soybean
Start	13352	End	15479
GI	none	Score	110
Exons	13352..13432, 13354..13431, 13356..13445, 13445..13498, 14291..14416, 14298..14438, 14517..14696, 14534..14689, 14539..14697, 14765..14902, 14768..14896, 14784..14909, 14877..15014, 14912..14971, 15414..15479		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o2.tc	Method	TBLASTX:Cress
Start	13602	End	14825
GI	none	Score	81
Exons	13602..13688, 14295..14438, 14298..14441, 14531..14662, 14532..14684, 14781..14825		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46153	Strand	-
Start	22474	End	22728
Name	OJ990705_39.9919.C11.o6.gp	Method	AAT/GAP
Start	22474	End	22728
GI	427569	Score	490
Exons	22474..22728		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46154	Strand	
Start	22978	End	23202
Name	OJ990705_39.9919.C11.o6.tm	Method	TBLASTX:Maize
Start	22978	End	23202
GI	none	Score	221
Exons	22978..23202		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46154	Strand	

Start	22978	End	23202
Name	OJ990705_39.9919.C11.o7.ts	Method	TBLASTX:Soybean
Start	22984	End	23151
GI	none	Score	188
Exons	22984..23151, 23010..23096, 23017..23145		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46155	Strand	
Start	23182	End	24137
Name	OJ990705_39.9919.C11.o3.tc	Method	TBLASTX:Cress
Start	23182	End	23840
GI	none	Score	112
Exons	23182..23349, 23392..23541, 23605..23670, 23697..23840		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46155	Strand	
Start	23182	End	24137
Name	OJ990705_39.9919.C11.o3.tm	Method	TBLASTX:Maize
Start	23203	End	24128
GI	none	Score	92
Exons	23203..23337, 23341..23544, 23352..23519, 23542..23577, 23596..23679, 23694..23840, 23711..23800, 23826..23978, 23933..23977, 24056..24127, 24069..24128		

Seq. No.	22149	Seq. ID	OJ990705_39.9919.C11
Gene No.	46155	Strand	
Start	23182	End	24137
Name	OJ990705_39.9919.C11.o6.ts	Method	TBLASTX:Soybean
Start	23443	End	24137
GI	none	Score	101
Exons	23443..23541, 23697..23840, 23711..23800, 23931..23978, 23933..23977, 24056..24124, 24069..24137		

Seq. No.	22150	Seq. ID	OJ990515_21.9922.C1
Gene No.	46156	Strand	-
Start	1489	End	6005
Name	OJ990515_21.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	1268	End	1635
GI	none	Score	226
Exons	1268..1303, 1310..1537, 1311..1529, 1336..1533, 1337..1534, 1593..1625, 1594..1635		

Seq. No.	22150	Seq. ID	OJ990515_21.9922.C1
Gene No.	46156	Strand	-
Start	1489	End	6005
Name	OJ990515_21.9922.C1.o1.np	Method	AAT/NAP
Start	1489	End	5957
GI	6815097	Score	2853
Exons	1489..2201, 2342..4001, 4116..4721, 5057..5957		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	22150	Seq. ID	OJ990515_21.9922.C1
Gene No.	46156	Strand	-
Start	1489	End	6005
Name	OJ990515_21.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	1635	End	1997

GI	none	Score	188
Exons	1635..1997		
Seq. No.	22150	Seq. ID	OJ990515_21.9922.C1
Gene No.	46156	Strand	-
Start	1489	End	6005
Name	OJ990515_21.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	1656	End	1979
GI	none	Score	190
Exons	1656..1979, 1657..1968		
Seq. No.	22150	Seq. ID	OJ990515_21.9922.C1
Gene No.	46156	Strand	-
Start	1489	End	6005
Name	OJ990515_21.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	2369	End	2814
GI	5509260	Score	82
Exons	2369..2449, 2377..2448, 2476..2562, 2608..2811, 2629..2814		
GI Descrip.	-		
Seq. No.	22150	Seq. ID	OJ990515_21.9922.C1
Gene No.	46156	Strand	-
Start	1489	End	6005
Name	OJ990515_21.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	2383	End	2759
GI	none	Score	45
Exons	2383..2448, 2480..2563, 2482..2733, 2608..2727, 2643..2759		
Seq. No.	22150	Seq. ID	OJ990515_21.9922.C1
Gene No.	46156	Strand	-
Start	1489	End	6005
Name	OJ990515_21.9922.C1.o3.gs	Method	GENSCAN
Start	5101	End	6005
GI	none	Score	.49
Exons	5101..5531, 5966..6005		
Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46157	Strand	+
Start	479	End	8098
Name	OJ990515_21.9922.C2.o1.gs	Method	GENSCAN
Start	479	End	8098
GI	none	Score	.8
Exons	479..593, 742..792, 1207..1259, 2208..2324, 2383..2499, 5138..6061, 6280..6436, 6688..6876, 6951..7135, 7211..7400, 7473..7577, 7650..8098		
Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46157	Strand	+
Start	479	End	8098
Name	OJ990515_21.9922.C2.o1.np	Method	AAT/NAP
Start	5177	End	8095
GI	6691716	Score	2407
Exons	5177..6047, 6245..6436, 6518..6630, 6707..6876, 6960..7135, 7211..7322, 7473..7577, 7650..8095		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46158	Strand	-
Start	8414	End	14524
Name	OJ990515_21.9922.C2.o2.gs	Method	GENSCAN
Start	8414	End	14524
GI	none	Score	.94
Exons	8414..11495, 11592..14524		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46158	Strand	-
Start	8414	End	14524
Name	OJ990515_21.9922.C2.o2.np	Method	AAT/NAP
Start	8450	End	14524
GI	5922631	Score	6715
Exons	8450..10977, 11584..12507, 12634..12785, 12828..13392, 13438..13647, 13897..14141, 14400..14524		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o9.tw	Method	TBLASTX:Wheat
Start	5297	End	5587
GI	none	Score	217
Exons	5297..5587		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o5.tw	Method	TBLASTX:Wheat
Start	8426	End	9040
GI	none	Score	75
Exons	8426..8563, 8549..8707, 8762..9040, 8778..8885, 8931..9020		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o4.tm	Method	TBLASTX:Maize
Start	8463	End	8698
GI	none	Score	104
Exons	8463..8567, 8465..8566, 8546..8698		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o6.tm	Method	TBLASTX:Maize
Start	8810	End	9083
GI	none	Score	56
Exons	8810..8896, 8906..8989, 8919..8993, 8976..9083, 8984..9082		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	9155	End	9542
GI	none	Score	114
Exons	9155..9346, 9155..9541, 9231..9542		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	9185	End	9548
GI	none	Score	67
Exons	9185..9232, 9186..9233, 9213..9359, 9224..9547, 9237..9548		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o10.tw	Method	TBLASTX:Wheat
Start	9545	End	9844
GI	none	Score	130
Exons	9545..9685, 9710..9844		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o5.tm	Method	TBLASTX:Maize
Start	9776	End	10030
GI	none	Score	193
Exons	9776..10030		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o4.tw	Method	TBLASTX:Wheat
Start	9860	End	10282
GI	none	Score	266
Exons	9860..10282, 9870..10274		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	9903	End	10291
GI	none	Score	157
Exons	9903..10283, 9905..10147, 10187..10291		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o8.tw	Method	TBLASTX:Wheat
Start	10282	End	10568
GI	none	Score	70
Exons	10282..10380, 10286..10567, 10298..10432, 10491..10568		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2

Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	10406	End	10850
GI	none	Score	89
Exons	10406..10432, 10430..10573, 10443..10574, 10589..10825, 10595..10849, 10596..10850		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	10517	End	10918
GI	none	Score	123
Exons	10517..10918, 10758..10901		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	10572	End	10996
GI	none	Score	287
Exons	10572..10952, 10572..10931, 10586..10996		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	11081	End	11437
GI	none	Score	210
Exons	11081..11437, 11091..11390		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	11111	End	11566
GI	none	Score	257
Exons	11111..11566, 11112..11531, 11141..11539		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o3.ts	Method	TBLASTX:Soybean
Start	11162	End	11527
GI	none	Score	134
Exons	11162..11296, 11303..11527		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o6.tw	Method	TBLASTX:Wheat
Start	11787	End	12244
GI	none	Score	150
Exons	11787..12023, 11789..12019, 12068..12244		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2

Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o7.tw	Method	TBLASTX:Wheat
Start	12821	End	13223
GI	none	Score	115
Exons	12821..13222, 12954..13223		

Seq. No.	22151	Seq. ID	OJ990515_21.9922.C2
Gene No.	46159	Strand	-
Start	16852	End	17355
Name	OJ990515_21.9922.C2.o3.gs	Method	GENSCAN
Start	16852	End	17355
GI	none	Score	.89
Exons	16852..17355		

Seq. No.	22152	Seq. ID	OJ990515_21.9922.C3
Gene No.	46160	Strand	+
Start	6992	End	7687
Name	OJ990515_21.9922.C3.o2.gs	Method	GENSCAN
Start	6992	End	7687
GI	none	Score	.49
Exons	6992..7687		

Seq. No.	22152	Seq. ID	OJ990515_21.9922.C3
Gene No.	46161	Strand	+
Start	8713	End	9346
Name	OJ990515_21.9922.C3.o1.gp	Method	AAT/GAP
Start	8584	End	9065
GI	LIB3474-008-P1-K1-H11	Score	916
Exons	8584..9065		
GI Descrip.	'2224810/emb|CAB09698| 1.0e-13 (Z97022) cysteine proteinase [Hordeum vulgare]'		

Seq. No.	22152	Seq. ID	OJ990515_21.9922.C3
Gene No.	46161	Strand	+
Start	8713	End	9346
Name	OJ990515_21.9922.C3.o3.gs	Method	GENSCAN
Start	8713	End	9181
GI	none	Score	.87
Exons	8713..9181		

Seq. No.	22152	Seq. ID	OJ990515_21.9922.C3
Gene No.	46161	Strand	+
Start	8713	End	9346
Name	OJ990515_21.9922.C3.o1.np	Method	AAT/NAP
Start	8719	End	9346
GI	5823018	Score	148
Exons	8719..8790, 8818..9215, 9317..9346		
GI Descrip.	(AF089848) senescence-specific cysteine protease [Brassica napus]		

Seq. No.	22152	Seq. ID	OJ990515_21.9922.C3
Gene No.	46161	Strand	+
Start	8713	End	9346
Name	OJ990515_21.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	8845	End	9183
GI	none	Score	134

Exons	8845..9045, 9079..9183		
Seq. No.	22152	Seq. ID	OJ990515_21.9922.C3
Gene No.	46161	Strand	+
Start	8713	End	9346
Name	OJ990515_21.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	8851	End	9171
GI	none	Score	150
Exons	8851..8979, 8859..8978, 8968..9033, 9115..9171		
Seq. No.	22153	Seq. ID	OJ990515_21.9922.C4
Gene No.	46162	Strand	+
Start	1	End	353
Name	OJ990515_21.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	277
GI	535454	Score	252
Exons	1..277		
GI Descrip.	(U13940) cysteine proteinase [Alnus glutinosa]		
Seq. No.	22153	Seq. ID	OJ990515_21.9922.C4
Gene No.	46162	Strand	+
Start	1	End	353
Name	OJ990515_21.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	274
GI	none	Score	67
Exons	1..63, 3..62, 85..195, 85..195, 213..269, 224..274		
Seq. No.	22153	Seq. ID	OJ990515_21.9922.C4
Gene No.	46162	Strand	+
Start	1	End	353
Name	OJ990515_21.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	1	End	353
GI	none	Score	62
Exons	1..63, 3..62, 84..188, 85..192, 196..270, 200..271, 297..353		
Seq. No.	22153	Seq. ID	OJ990515_21.9922.C4
Gene No.	46162	Strand	+
Start	1	End	353
Name	OJ990515_21.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	1	End	283
GI	none	Score	52
Exons	1..69, 64..192, 96..188, 196..282, 200..283		
Seq. No.	22153	Seq. ID	OJ990515_21.9922.C4
Gene No.	46162	Strand	+
Start	1	End	353
Name	OJ990515_21.9922.C4.o1.gs	Method	GENSCAN
Start	70	End	122
GI	none	Score	.48
Exons	70..122		
Seq. No.	22154	Seq. ID	OJ990515_21.9922.C5
Gene No.	46163	Strand	-
Start	59	End	126
Name	OJ990515_21.9922.C5.o1.gs	Method	GENSCAN
Start	59	End	126
GI	none	Score	.89

Exons	59..126		
Seq. No.	22155	Seq. ID	OJ990515_21.9922.C7
Gene No.	46164	Strand	-
Start	38	End	293
Name	OJ990515_21.9922.C7.o1.gp	Method	AAT/GAP
Start	38	End	293
GI	12131_1.R1084	Score	71
Exons	38..58, 242..293		
GI Descrip.	'2505868/emb|CAA72906| 2.0e-21 (Y12227) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	22156	Seq. ID	OJ990515_21.9922.C8
Gene No.	46165	Strand	+
Start	1	End	3487
Name	OJ990515_21.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	3174
GI	2065019	Score	190
Exons	1..116, 615..758, 1667..1718, 2321..2394, 3066..3174		
GI Descrip.	(Y09823) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	22156	Seq. ID	OJ990515_21.9922.C8
Gene No.	46165	Strand	+
Start	1	End	3487
Name	OJ990515_21.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	13	End	3290
GI	none	Score	69
Exons	13..84, 604..798, 607..765, 649..801, 1668..1718, 1668..1718, 1668..1721, 2306..2392, 2306..2401, 2320..2412, 2320..2403, 3063..3260, 3064..3225, 3254..3286, 3255..3290		
Seq. No.	22156	Seq. ID	OJ990515_21.9922.C8
Gene No.	46165	Strand	+
Start	1	End	3487
Name	OJ990515_21.9922.C8.o1.gp	Method	AAT/GAP
Start	611	End	3487
GI	2289_1.R1084	Score	1018
Exons	611..758, 1667..1718, 2321..2394, 3066..3155, 3275..3487		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	22156	Seq. ID	OJ990515_21.9922.C8
Gene No.	46165	Strand	+
Start	1	End	3487
Name	OJ990515_21.9922.C8.o1.gs	Method	GENSCAN
Start	691	End	1790
GI	none	Score	.63
Exons	691..758, 1667..1790		
Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46166	Strand	-
Start	786	End	4372
Name	OJ990515_21.9922.C9.o1.gp	Method	AAT/GAP
Start	786	End	1195
GI	LIB3432-012-P1-K1-B6	Score	776
Exons	786..1195		
GI Descrip.	'2130082/pir||A57676 1.0e-13 protein kinase Xa21 (EC 2.7.1.-) -		

rice >gi_1122443 (U37133) receptor kinase-like protein [Oryza sativa] >gi_2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] >gi_1586408_prf__2203451A receptor kinase-like protein [Oryza sativa]'

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46166	Strand	-
Start	786	End	4372
Name	OJ990515_21.9922.C9.o1.np	Method	AAT/NAP
Start	813	End	4372
GI	2586083	Score	1758
Exons	813..1204, 1371..3478, 3908..4372		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	864	End	4207
GI	none	Score	67
Exons	864..947, 1098..1205, 1450..1608, 1460..1597, 2161..2271, 2170..2445, 2215..2442, 2215..2442, 2215..2442, 2218..2442, 2218..2457, 2221..2442, 2221..2463, 2221..2490, 2221..2403, 2221..2442, 2221..2445, 2224..2445, 2231..2443, 2445..2549, 2468..2548, 2468..2548, 2492..2548, 2492..2554, 2492..2548, 2552..2740, 2558..2740, 2577..2825, 2804..2926, 2912..2995, 2930..2989, 3041..3223, 3092..3223, 3095..3199, 3200..3307, 3227..3523, 3230..4069, 3233..3514, 3233..3514, 3239..3529, 3242..3529, 3245..3523, 3452..4141, 3521..3865, 3527..4153, 3527..4150, 3527..4006, 3528..3704, 3599..4150, 3602..4156, 3657..3770, 3672..3974, 3692..4156, 3878..4141, 4010..4120, 4172..4207		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	870	End	1232
GI	none	Score	99
Exons	870..950, 1023..1232, 1032..1205, 1048..1230		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	1068	End	4153
GI	none	Score	76
Exons	1068..1205, 1450..1620, 1454..1618, 1654..1722, 1735..1800, 2161..2442, 2206..2442, 2215..2445, 2215..2442, 2215..2466, 2221..2445, 2221..2442, 2221..2442, 2263..2442, 2468..2548, 2474..2548, 2555..2746, 2558..2746, 2558..2746, 2558..2623, 2576..2743, 2580..2774, 2585..2746, 2709..2828, 2801..2998, 2801..2920, 3041..3103, 3095..3496, 3095..3217, 3095..3190, 3095..3319, 3188..3538, 3206..3523, 3230..3361, 3230..3520, 3233..3496, 3243..3410, 3314..3529, 3410..3529, 3476..4141, 3518..4153, 3524..3724, 3527..4117, 3527..4054, 3527..3970, 3528..3755, 3599..4006, 3660..3941, 3879..4052, 3881..4150		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	1378	End	1827
GI	none	Score	257
Exons	1378..1827, 1385..1822		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o2.tc	Method	TBLASTX:Cress
Start	1624	End	1962
GI	none	Score	140
Exons	1624..1962, 1631..1957		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	2215	End	4153
GI	none	Score	76
Exons	2215..2445, 2218..2457, 2218..2331, 2221..2445, 2221..2418, 2275..2466, 2471..2548, 2558..2740, 2576..2740, 2652..2828, 2727..2915, 2798..2920, 2798..2902, 2798..2905, 2801..2926, 2801..2923, 3089..3190, 3230..3514, 3233..3997, 3243..3482, 3525..3626, 3528..3695, 3590..4069, 3600..3971, 3659..4153, 3666..3926, 3797..4063, 3887..4153, 3944..4141		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	2558	End	3937
GI	none	Score	140
Exons	2558..2647, 2817..3002, 2819..3001, 2838..3002, 3002..3088, 3007..3096, 3009..3092, 3116..3307, 3374..3466, 3833..3937		

Seq. No.	22157	Seq. ID	OJ990515_21.9922.C9
Gene No.	46167	Strand	-
Start	5451	End	5698
Name	OJ990515_21.9922.C9.o2.gs	Method	GENSCAN
Start	5451	End	5698
GI	none	Score	.99
Exons	5451..5543, 5693..5698		

Seq. No.	22158	Seq. ID	OJ990515_21.9922.C10
Gene No.	46168	Strand	+
Start	398	End	612
Name	OJ990515_21.9922.C10.o1.gs	Method	GENSCAN
Start	398	End	612
GI	none	Score	.82
Exons	398..612		

Seq. No.	22158	Seq. ID	OJ990515_21.9922.C10
Gene No.	46169	Strand	-

Start	1236	End	2734
Name	OJ990515_21.9922.C10.o2.gs	Method	GENSCAN
Start	1236	End	2734
GI	none	Score	.6
Exons	1236..1305, 2024..2142, 2726..2734		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46170	Strand	+
Start	359	End	7024
Name	OJ990515_21.9922.C11.o1.gs	Method	GENSCAN
Start	359	End	7024
GI	none	Score	.83
Exons	359..394, 626..648, 1183..1324, 2241..2375, 3464..3523, 5532..5820, 6759..6806, 6945..7024		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46171	Strand	+
Start	8307	End	8786
Name	OJ990515_21.9922.C11.o2.gs	Method	GENSCAN
Start	8307	End	8786
GI	none	Score	.9
Exons	8307..8389, 8738..8786		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46172	Strand	+
Start	9585	End	10826
Name	OJ990515_21.9922.C11.o1.np	Method	AAT/NAP
Start	9585	End	10826
GI	6721543	Score	100
Exons	9585..9711, 10766..10826		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46173	Strand	-
Start	10224	End	12589
Name	OJ990515_21.9922.C11.o1.gp	Method	AAT/GAP
Start	9946	End	10399
GI	LIB3431-045-P1-N1-A10	Score	888
Exons	9946..10399		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46173	Strand	-
Start	10224	End	12589
Name	OJ990515_21.9922.C11.o3.gs	Method	GENSCAN
Start	10224	End	11864
GI	none	Score	.6
Exons	10224..10384, 10520..10789, 10853..11035, 11183..11360, 11453..11711, 11788..11864		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46173	Strand	-
Start	10224	End	12589
Name	OJ990515_21.9922.C11.o2.np	Method	AAT/NAP
Start	10503	End	12589
GI	5441880	Score	1217

Exons	10503..10737, 10853..10984, 11075..11098, 11135..11208, 11453..11711, 11788..11896, 12563..12589		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46173	Strand	-
Start	10224	End	12589
Name	OJ990515_21.9922.C11.o3.np	Method	AAT/NAP
Start	11278	End	12523
GI	6721543	Score	118
Exons	11278..11320, 12391..12523		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46173	Strand	-
Start	10224	End	12589
Name	OJ990515_21.9922.C11.o2.gp	Method	AAT/GAP
Start	11461	End	11893
GI	LIB3475-007-P1-K1-G8	Score	641
Exons	11461..11711, 11788..11893		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	22159	Seq. ID	OJ990515_21.9922.C11
Gene No.	46173	Strand	-
Start	10224	End	12589
Name	OJ990515_21.9922.C11.o3.gp	Method	AAT/GAP
Start	12357	End	12509
GI	7406_1.R1084	Score	213
Exons	12357..12509		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	22160	Seq. ID	OJ990515_21.9922.C12
Gene No.	46174	Strand	+
Start	221	End	4350
Name	OJ990515_21.9922.C12.o1.np	Method	AAT/NAP
Start	221	End	4350
GI	4507961	Score	36
Exons	221..367, 4057..4350		
GI Descrip.	zinc finger protein homologous to Zfp-36 in mouse gi|136471|sp|P26651|TTP_HUMAN TRISTETRAPROLINE (TTP) (TIS11A) (TIS11) (ZFP-36) (GROWTH FACTOR-INDUCIBLE NUCLEAR PROTEIN NUP475) gi|423132|pir||S34427 tristetraproline protein - human gi|183443 (M92843) zinc finger transcriptional regulator [Homo sapiens] gi|183445 (M92844) zinc finger transcriptional regulator [Homo sa		

Seq. No.	22160	Seq. ID	OJ990515_21.9922.C12
Gene No.	46175	Strand	-
Start	458	End	4275
Name	OJ990515_21.9922.C12.o1.gs	Method	GENSCAN
Start	458	End	4275
GI	none	Score	.4

Exons	458..897, 3042..3245, 3475..3537, 4152..4275		
Seq. No.	22161	Seq. ID	OJ990515_21.9922.C13
Gene No.	46176	Strand	+
Start	1292	End	1359
Name	OJ990515_21.9922.C13.o1.gs	Method	GENSCAN
Start	1292	End	1359
GI	none	Score	.63
Exons	1292..1359		
Seq. No.	22162	Seq. ID	OJ990515_21.9922.C14
Gene No.	46177	Strand	-
Start	17	End	175
Name	OJ990515_21.9922.C14.o1.gs	Method	GENSCAN
Start	17	End	175
GI	none	Score	.99
Exons	17..175		
Seq. No.	22163	Seq. ID	OJ990515_20.9924.C2
Gene No.	46178	Strand	+
Start	167	End	342
Name	OJ990515_20.9924.C2.o1.gs	Method	GENSCAN
Start	167	End	342
GI	none	Score	.51
Exons	167..342		
Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	4418
GI	2286113	Score	676
Exons	1..84, 156..255, 833..903, 1548..1626, 4234..4418		
GI Descrip.	(U78892) MADS box protein [Oryza sativa]		
Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o2.np	Method	AAT/NAP
Start	1	End	14156
GI	6642682	Score	283
Exons	1..66, 11222..11327, 13972..14156		
GI Descrip.	(AC015450) unknown protein [Arabidopsis thaliana]		
Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o1.gp	Method	AAT/GAP
Start	43	End	4526
GI	368_2.R1084	Score	1063
Exons	43..84, 156..255, 833..903, 1548..1626, 4234..4526		
GI Descrip.	'3928085 8.0e-17 (AC005770) unknown protein [Arabidopsis thaliana]'		
Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156

Name	OJ990515_20.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	43	End	4397
GI	none	Score	71
Exons	43..84, 43..87, 156..257, 158..256, 830..904, 832..906, 1539..1628, 1549..1629, 4228..4365, 4236..4397		

Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o1.gs	Method	GENSCAN
Start	156	End	4418
GI	none	Score	.79
Exons	156..255, 833..903, 1548..1626, 3419..3448, 4029..4124, 4234..4418		

Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	156	End	4397
GI	none	Score	175
Exons	156..257, 832..897, 4234..4365, 4239..4397		

Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	179	End	4397
GI	none	Score	68
Exons	179..256, 180..257, 830..892, 832..900, 876..902, 1548..1634, 1549..1635, 4228..4365, 4236..4397		

Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	4227	End	4397
GI	none	Score	165
Exons	4227..4397, 4243..4368		

Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o3.gs	Method	GENSCAN
Start	9678	End	10553
GI	none	Score	.86
Exons	9678..10175, 10217..10309, 10323..10553		

Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4
Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o2.ts	Method	TBLASTX:Soybean
Start	11243	End	14114
GI	none	Score	77
Exons	11243..11329, 11244..11330, 13971..14114, 13972..14049		

Seq. No.	22164	Seq. ID	OJ990515_20.9924.C4

Gene No.	46179	Strand	-
Start	1	End	14156
Name	OJ990515_20.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	11261	End	14112
GI	none	Score	83
Exons	11261..11329, 13971..14111, 13975..14112		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46180	Strand	+
Start	1562	End	1714
Name	OJ990515_20.9924.C5.o1.gs	Method	GENSCAN
Start	1562	End	1714
GI	none	Score	1
Exons	1562..1714		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46181	Strand	+
Start	13190	End	14768
Name	OJ990515_20.9924.C5.o4.gs	Method	GENSCAN
Start	13190	End	14768
GI	none	Score	.5
Exons	13190..13311, 13687..13838, 14345..14493, 14607..14768		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46182	Strand	+
Start	15439	End	24283
Name	OJ990515_20.9924.C5.o5.gs	Method	GENSCAN
Start	15439	End	24283
GI	none	Score	.7
Exons	15439..16042, 16548..16574, 16821..16927, 21062..21153, 23887..24091, 24269..24283		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46183	Strand	+
Start	34067	End	35270
Name	OJ990515_20.9924.C5.o7.np	Method	AAT/NAP
Start	32873	End	34046
GI	6907088	Score	339
Exons	32873..33009, 33187..33403, 33632..34046		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46183	Strand	+
Start	34067	End	35270
Name	OJ990515_20.9924.C5.o8.gs	Method	GENSCAN
Start	34067	End	35270
GI	none	Score	.68
Exons	34067..34439, 34645..35270		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46184	Strand	+
Start	47758	End	53980
Name	OJ990515_20.9924.C5.o12.gs	Method	GENSCAN
Start	47758	End	53980
GI	none	Score	.71
Exons	47758..47950, 49634..49914, 50798..50895, 50973..51039, 51123..51242, 51354..51446, 51598..51795, 52412..52617,		

52717..52842, 53362..53980

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46184	Strand	+
Start	47758	End	53980
Name	OJ990515_20.9924.C5.o15.np	Method	AAT/NAP
Start	49690	End	53974
GI	4455232	Score	1653
Exons	49690..49728, 49774..49908, 51078..51242, 51354..51446, 51598..51722, 52084..52216, 52412..52617, 52717..52842, 53362..53974		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46185	Strand	-
Start	2080	End	4962
Name	OJ990515_20.9924.C5.o2.gs	Method	GENSCAN
Start	2080	End	4962
GI	none	Score	.62
Exons	2080..2130, 3174..3210, 3708..3766, 3901..4230, 4344..4470, 4706..4962		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46185	Strand	-
Start	2080	End	4962
Name	OJ990515_20.9924.C5.o1.np	Method	AAT/NAP
Start	2606	End	4953
GI	4455233	Score	566
Exons	2606..3042, 3833..4230, 4344..4470, 4706..4953		
GI Descrip.	(AL035523) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46186	Strand	-
Start	6184	End	14796
Name	OJ990515_20.9924.C5.o3.gs	Method	GENSCAN
Start	6184	End	11788
GI	none	Score	.75
Exons	6184..6333, 6567..6769, 6831..6877, 7171..7232, 7423..7512, 7529..7561, 7596..7765, 7862..7916, 8024..8109, 8625..8775, 9505..9548, 9853..9895, 10049..10156, 10251..10379, 10537..10578, 10651..10720, 11307..11430, 11546..11638, 11722..11788		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46186	Strand	-
Start	6184	End	14796
Name	OJ990515_20.9924.C5.o2.np	Method	AAT/NAP
Start	7182	End	14796
GI	2760319	Score	1092
Exons	7182..7232, 7351..7500, 7644..7765, 7985..8109, 8625..8775, 9044..9120, 9411..9628, 10041..10156, 10251..10379, 10537..10578, 10651..10720, 11307..11430, 11546..11638, 11722..11790, 11883..11979, 14743..14796		
GI Descrip.	(AC002130) F1N21.3 [Arabidopsis thaliana]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46187	Strand	-

Start	16415	End	17129
Name	OJ990515_20.9924.C5.o3.np	Method	AAT/NAP
Start	16415	End	17129
GI	6069646	Score	310
Exons	16415..17129		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46188	Strand	-
Start	17743	End	19247
Name	OJ990515_20.9924.C5.o4.np	Method	AAT/NAP
Start	17743	End	19247
GI	5803254	Score	897
Exons	17743..18117, 18205..18360, 18453..18935, 18963..19247		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46189	Strand	-
Start	29320	End	31014
Name	OJ990515_20.9924.C5.o5.np	Method	AAT/NAP
Start	29320	End	31014
GI	6907086	Score	1103
Exons	29320..29727, 29954..30181, 30242..31014		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46189	Strand	-
Start	29320	End	31014
Name	OJ990515_20.9924.C5.o7.gs	Method	GENSCAN
Start	30267	End	30831
GI	none	Score	.94
Exons	30267..30694, 30720..30831		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46190	Strand	-
Start	31721	End	35029
Name	OJ990515_20.9924.C5.o6.np	Method	AAT/NAP
Start	31721	End	35029
GI	4680186	Score	166
Exons	31721..32145, 34778..35029		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46191	Strand	-
Start	36374	End	39801
Name	OJ990515_20.9924.C5.o8.np	Method	AAT/NAP
Start	36369	End	37036
GI	5091506	Score	684
Exons	36369..37036		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46191	Strand	-
Start	36374	End	39801
Name	OJ990515_20.9924.C5.o9.gs	Method	GENSCAN
Start	36374	End	39801
GI	none	Score	.62
Exons	36374..36769, 36817..36908, 38031..38250, 38581..38691, 39211..39402, 39676..39801		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46191	Strand	-
Start	36374	End	39801
Name	OJ990515_20.9924.C5.o10.np	Method	AAT/NAP
Start	37876	End	39369
GI	5803254	Score	790
Exons	37876..38250, 38335..38481, 38581..39369		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46192	Strand	-
Start	40806	End	41757
Name	OJ990515_20.9924.C5.o10.gs	Method	GENSCAN
Start	40806	End	41757
GI	none	Score	.73
Exons	40806..40950, 40983..41133, 41154..41411, 41727..41757		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46193	Strand	-
Start	43037	End	46832
Name	OJ990515_20.9924.C5.o11.gs	Method	GENSCAN
Start	43037	End	46832
GI	none	Score	.7
Exons	43037..43420, 43505..43657, 43891..43983, 44377..44513, 45934..46109, 46714..46832		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46193	Strand	-
Start	43037	End	46832
Name	OJ990515_20.9924.C5.o14.np	Method	AAT/NAP
Start	43046	End	44535
GI	5803254	Score	814
Exons	43046..43420, 43505..43672, 43768..44535		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o4.tm	Method	TBLASTX:Maize
Start	2627	End	2995
GI	none	Score	60
Exons	2627..2698, 2627..2680, 2668..2739, 2674..2745, 2738..2890, 2738..2896, 2893..2988, 2902..2994, 2915..2995		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o6.tm	Method	TBLASTX:Maize
Start	4345	End	4959
GI	none	Score	50
Exons	4345..4401, 4349..4384, 4384..4470, 4386..4469, 4708..4779, 4709..4771, 4795..4959		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	11726	End	14817
GI	none	Score	68
Exons	11726..11791, 11727..11792, 11884..11979, 11885..11980, 14738..14809, 14755..14817		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	16445	End	16834
GI	none	Score	137
Exons	16445..16645, 16682..16834		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o3.tm	Method	TBLASTX:Maize
Start	16448	End	16984
GI	none	Score	85
Exons	16448..16654, 16655..16879, 16656..16880, 16898..16984		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o5.tm	Method	TBLASTX:Maize
Start	17749	End	43345
GI	none	Score	84
Exons	17749..17904, 17752..17829, 17912..18037, 17914..18039, 17959..18039, 37883..37978, 37885..37980, 38050..38199, 38062..38196, 43033..43125, 43052..43141, 43056..43133, 43058..43156, 43059..43160, 43215..43337, 43220..43345, 43232..43345		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	18044	End	44134
GI	none	Score	54
Exons	18044..18070, 18199..18360, 18199..18369, 18451..18528, 18476..18541, 18477..18533, 18603..18716, 18610..18828, 18612..18830, 38330..38407, 38332..38412, 38346..38408, 38347..38412, 38416..38517, 38425..38481, 38602..38658, 38604..38669, 38735..38968, 38743..38961, 43350..43373,		

43499..43573, 43500..43556, 43601..43657, 43601..43681,
43768..43950, 43776..43823, 43904..43945, 43954..44127,
43970..44134

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	47854	End	58122
GI	none	Score	101
Exons	47854..47946, 49816..49908, 50743..50850, 50757..50852, 50971..50994, 51013..51039, 51120..51242, 51122..51235, 51353..51436, 51354..51449, 51597..51659, 51598..51660, 51681..51728, 51682..51729, 51918..52004, 51919..52002, 52084..52215, 52085..52222, 52407..52607, 52409..52612, 52447..52617, 52714..52854, 52715..52843, 53358..53492, 53360..53500, 53362..53514, 53363..53947, 53563..53661, 53755..53964, 54575..54775, 54626..54733, 54791..54859, 54917..55012, 54936..55010, 55016..55255, 55017..55256, 55256..55591, 55347..55574, 56233..56361, 56234..56362, 56447..56533, 56447..56515, 56449..56532, 56602..56703, 56737..56799, 56738..56797, 56852..56962, 56877..56963, 57074..57199, 57079..57201, 57834..57932, 57838..57933, 58012..58122, 58013..58111		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	47854	End	58098
GI	none	Score	74
Exons	47854..47946, 49816..49914, 50746..50862, 50754..50861, 51013..51039, 51146..51241, 51147..51242, 51158..51238, 51353..51445, 51354..51449, 51597..51728, 51598..51729, 51918..52007, 51919..51996, 51923..52009, 52077..52217, 52081..52218, 52081..52215, 52082..52222, 52085..52216, 52409..52615, 52423..52617, 52450..52617, 52714..52854, 52715..52855, 53362..53517, 53363..53947, 53563..53661, 53767..53964, 54572..54775, 54791..54859, 54917..55015, 54924..55016, 55016..55255, 55020..55256, 55256..55591, 55347..55574, 56233..56367, 56233..56364, 56234..56398, 56447..56533, 56455..56532, 56602..56721, 56710..56802, 56737..56799, 56852..56962, 56862..56954, 57088..57174, 57807..57932, 57991..58098		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	53803	End	54745
GI	none	Score	191
Exons	53803..53985, 53804..53947, 54578..54745, 54626..54730		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o13.gs	Method	GENSCAN

Start	54581	End	58224
GI	none	Score	.99
Exons	54581..55567, 56230..56362, 56450..56531, 56658..56796, 56861..56953, 57079..57198, 57633..57723, 57832..57923, 58006..58224		

Seq. No.	22165	Seq. ID	OJ990515_20.9924.C5
Gene No.	46194	Strand	-
Start	54581	End	58224
Name	OJ990515_20.9924.C5.o16.np	Method	AAT/NAP
Start	54584	End	58185
GI	4455232	Score	1353
Exons	54584..54875, 54912..55567, 56230..56362, 56663..56796, 56861..56953, 57079..57219, 57987..58185		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	22166	Seq. ID	OJ990515_20.9924.C6
Gene No.	46195	Strand	+
Start	618	End	812
Name	OJ990515_20.9924.C6.o1.gs	Method	GENSCAN
Start	618	End	812
GI	none	Score	.64
Exons	618..812		

Seq. No.	22166	Seq. ID	OJ990515_20.9924.C6
Gene No.	46196	Strand	-
Start	952	End	1391
Name	OJ990515_20.9924.C6.o1.gp	Method	AAT/GAP
Start	952	End	1391
GI	3760163	Score	765
Exons	952..1391		

Seq. No.	22166	Seq. ID	OJ990515_20.9924.C6
Gene No.	46197	Strand	-
Start	1402	End	2032
Name	OJ990515_20.9924.C6.o1.np	Method	AAT/NAP
Start	1402	End	2032
GI	4704662	Score	244
Exons	1402..1548, 1640..1722, 2000..2032		
GI Descrip.	(AF116860) uracil phosphoribosyltransferase 1 [Arabidopsis thaliana]		

Seq. No.	22166	Seq. ID	OJ990515_20.9924.C6
Gene No.	46197	Strand	-
Start	1402	End	2032
Name	OJ990515_20.9924.C6.o2.gs	Method	GENSCAN
Start	1402	End	1722
GI	none	Score	.95
Exons	1402..1548, 1640..1722		

Seq. No.	22166	Seq. ID	OJ990515_20.9924.C6
Gene No.	46197	Strand	-
Start	1402	End	2032
Name	OJ990515_20.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	1405	End	1735
GI	none	Score	141
Exons	1405..1548, 1409..1564, 1640..1735, 1641..1724		

Seq. No.	22166	Seq. ID	OJ990515_20.9924.C6
Gene No.	46197	Strand	-
Start	1402	End	2032
Name	OJ990515_20.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	1405	End	1681
GI	none	Score	136
Exons	1405..1548, 1406..1564, 1640..1681		

Seq. No.	22166	Seq. ID	OJ990515_20.9924.C6
Gene No.	46197	Strand	-
Start	1402	End	2032
Name	OJ990515_20.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	1408	End	1735
GI	none	Score	106
Exons	1408..1446, 1429..1548, 1430..1564, 1640..1735, 1641..1724		

Seq. No.	22167	Seq. ID	OJ990515_20.9924.C7
Gene No.	46198	Strand	-
Start	1	End	4036
Name	OJ990515_20.9924.C7.o1.np	Method	AAT/NAP
Start	1	End	4036
GI	3953458	Score	1039
Exons	1..142, 562..622, 1313..1373, 1494..1577, 1667..1861, 1996..2278, 2569..2687, 2795..2864, 3760..3855, 3933..4036		
GI Descrip.	(AC002328) F20N2.3 [Arabidopsis thaliana]		

Seq. No.	22167	Seq. ID	OJ990515_20.9924.C7
Gene No.	46198	Strand	-
Start	1	End	4036
Name	OJ990515_20.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	23	End	2270
GI	none	Score	41
Exons	23..64, 64..147, 67..159, 71..169, 80..160, 562..624, 563..616, 564..623, 1311..1373, 1312..1374, 1491..1580, 1506..1580, 1661..1861, 1662..1862, 1666..1869, 1668..1877, 1669..1893, 1982..2077, 1983..2078, 1998..2078, 2109..2270, 2186..2269		

Seq. No.	22167	Seq. ID	OJ990515_20.9924.C7
Gene No.	46198	Strand	-
Start	1	End	4036
Name	OJ990515_20.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	44	End	3853
GI	none	Score	126
Exons	44..160, 56..160, 562..624, 564..623, 1311..1373, 1312..1374, 1494..1580, 1506..1580, 1661..1861, 1662..1862, 1664..1864, 1668..1862, 2183..2278, 2184..2279, 2566..2688, 2567..2659, 2779..2865, 2796..2867, 3760..3852, 3767..3853		

Seq. No.	22167	Seq. ID	OJ990515_20.9924.C7
Gene No.	46198	Strand	-
Start	1	End	4036
Name	OJ990515_20.9924.C7.o1.gs	Method	GENSCAN
Start	49	End	3887
GI	none	Score	.76
Exons	49..142, 562..665, 1667..1861, 1996..2075, 2182..2278, 2569..2687, 2795..2864, 3760..3887		

Seq. No.	22167	Seq. ID	OJ990515_20.9924.C7
Gene No.	46198	Strand	-
Start	1	End	4036
Name	OJ990515_20.9924.C7.o1.gp	Method	AAT/GAP
Start	1321	End	2220
GI	LIB3477-010-P1-K1-H4	Score	814
Exons	1321..1373, 1494..1577, 1667..1861, 1996..2075, 2182..2220		
GI Descrip.	'3953458 1.0e-56 (AC002328) F20N2.3 [Arabidopsis thaliana]'		

Seq. No.	22167	Seq. ID	OJ990515_20.9924.C7
Gene No.	46198	Strand	-
Start	1	End	4036
Name	OJ990515_20.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	1536	End	1865
GI	none	Score	82
Exons	1536..1580, 1661..1861, 1674..1862, 1675..1785, 1679..1852, 1698..1865		

Seq. No.	22167	Seq. ID	OJ990515_20.9924.C7
Gene No.	46198	Strand	-
Start	1	End	4036
Name	OJ990515_20.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	2558	End	3983
GI	none	Score	135
Exons	2558..2686, 2566..2688, 2567..2659, 2569..2688, 2779..2865, 2792..2866, 2796..2867, 3758..3853, 3760..3852, 3800..3853, 3939..3983, 3940..3975		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46199	Strand	-
Start	333	End	1038
Name	OJ990515_20.9924.C8.o1.gp	Method	AAT/GAP
Start	333	End	1038
GI	5851018	Score	1360
Exons	333..1038		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o2.gp	Method	AAT/GAP
Start	1106	End	3803
GI	958_1.R1084	Score	1917
Exons	1106..1571, 1715..1756, 1873..1965, 2617..2714, 2779..2885, 2968..3030, 3640..3803		
GI Descrip.	'6007803/gb|AAF01048.1|AF189365_1 1.0e-122 (AF189365) D-ribulose-5-phosphate 3-epimerase [Oryza sativa]'		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	1350	End	2673
GI	none	Score	53
Exons	1350..1418, 1363..1395, 1367..1396, 1387..1572, 1414..1515, 1422..1571, 1496..1582, 1712..1756, 1713..1757, 1714..1761, 1715..1771, 1855..1965, 1862..1966, 1871..1966, 2605..2673,		

2609..2668, 2614..2673

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o3.tm	Method	TBLASTX:Maize
Start	1399	End	1793
GI	none	Score	241
Exons	1399..1572, 1413..1583, 1422..1571, 1496..1588, 1712..1765, 1713..1793		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o1.gs	Method	GENSCAN
Start	1416	End	5921
GI	none	Score	.77
Exons	1416..1571, 1873..1965, 3125..3215, 3642..3884, 4602..4651, 4751..4837, 5011..5153, 5269..5398, 5840..5921		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o1.np	Method	AAT/NAP
Start	1419	End	3769
GI	6007803	Score	963
Exons	1419..1571, 1715..1756, 1873..1965, 2617..2714, 2779..2885, 2968..3030, 3642..3769		
GI Descrip.	(AF189365) D-ribulose-5-phosphate 3-epimerase [Oryza sativa]		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o2.tc	Method	TBLASTX:Cress
Start	1428	End	3740
GI	none	Score	163
Exons	1428..1571, 1438..1572, 1709..1768, 1712..1771, 1861..1965, 1871..1966, 1871..1972, 2614..2715, 2615..2716, 2750..2932, 2783..2884, 2787..2918, 2970..3029, 2971..3030, 2973..3038, 3645..3740, 3647..3739		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o2.ts	Method	TBLASTX:Soybean
Start	1428	End	3740
GI	none	Score	170
Exons	1428..1571, 1438..1572, 1447..1572, 1496..1573, 1712..1756, 1713..1757, 1715..1771, 1855..1965, 1862..1966, 1875..1973, 1877..1972, 2608..2715, 2609..2716, 2771..2932, 2775..2918, 2967..3038, 2967..3029, 2971..3039, 3628..3690, 3629..3691, 3645..3740, 3647..3739		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o2.tm	Method	TBLASTX:Maize

Start	1855	End	3749
GI	none	Score	147
Exons	1855..1965, 1862..1966, 1871..1972, 2605..2715, 2609..2716, 2614..2733, 2616..2723, 2771..2932, 2775..2918, 2967..3029, 2968..3039, 3645..3740, 3647..3739, 3723..3749		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o3.gp	Method	AAT/GAP
Start	4341	End	5921
GI	57_1.R1084	Score	1379
Exons	4341..4651, 4751..4837, 5011..5153, 5269..5398, 5840..5921		
GI Descrip.	'3138799/dbj|BAA28276| 1.0e-124 (AB014058) beta 6 subunit of 20S proteasome [Oryza sativa]'		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	4418	End	5921
GI	none	Score	48
Exons	4418..4492, 4430..4492, 4528..4602, 4559..4684, 4578..4652, 4741..4836, 4747..4839, 4751..4840, 5009..5155, 5011..5154, 5016..5165, 5246..5398, 5276..5395, 5277..5402, 5298..5399, 5836..5916, 5837..5920, 5838..5921		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	4577	End	5920
GI	none	Score	70
Exons	4577..4684, 4578..4685, 4751..4840, 4752..4853, 5017..5154, 5018..5155, 5246..5398, 5267..5395, 5837..5920		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	4577	End	5921
GI	none	Score	91
Exons	4577..4684, 4578..4700, 4751..4840, 4758..4841, 5011..5154, 5015..5155, 5246..5398, 5264..5395, 5837..5920, 5847..5921		

Seq. No.	22168	Seq. ID	OJ990515_20.9924.C8
Gene No.	46200	Strand	-
Start	1416	End	6056
Name	OJ990515_20.9924.C8.o2.np	Method	AAT/NAP
Start	4580	End	6056
GI	3138799	Score	735
Exons	4580..4651, 4751..4837, 5011..5153, 5269..5398, 5840..5921, 5996..6056		
GI Descrip.	(AB014058) beta 6 subunit of 20S proteasome [Oryza sativa]		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46201	Strand	+

Start	11425	End	13963
Name	OJ990515_20.9924.C9.o2.gs	Method	GENSCAN
Start	11425	End	13963
GI	none	Score	.64
Exons	11425..12137, 12973..13058, 13433..13796, 13891..13963		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46201	Strand	+
Start	11425	End	13963
Name	OJ990515_20.9924.C9.o3.np	Method	AAT/NAP
Start	11425	End	13954
GI	3785972	Score	481
Exons	11425..11707, 11747..12212, 12240..12878, 12918..13058, 13433..13590, 13720..13796, 13891..13954		
GI Descrip.	(AC005560) putative auxin transport protein [Arabidopsis thaliana]		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46202	Strand	+
Start	18548	End	22121
Name	OJ990515_20.9924.C9.o4.np	Method	AAT/NAP
Start	18012	End	21823
GI	1076361	Score	998
Exons	18012..18200, 18722..18862, 19889..20022, 20111..20224, 20769..20864, 21169..21256, 21340..21408, 21569..21823		
GI Descrip.	oleoyl-[acyl-carrier-protein] hydrolase (EC 3.1.2.14) - Arabidopsis thaliana gi|2129660|pir||S69197 oleoyl-[acyl-carrier-protein] hydrolase (EC 3.1.2.14) (clone TE 1-7) - Arabidopsis thaliana gi|804946|emb|CAA85389| (Z36912) acyl-(acyl carrier protein) thioesterase [Arabidopsis thaliana]		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46202	Strand	+
Start	18548	End	22121
Name	OJ990515_20.9924.C9.o3.gs	Method	GENSCAN
Start	18548	End	19042
GI	none	Score	.85
Exons	18548..19042		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46202	Strand	+
Start	18548	End	22121
Name	OJ990515_20.9924.C9.o4.gs	Method	GENSCAN
Start	19955	End	21823
GI	none	Score	.92
Exons	19955..20022, 20111..20224, 20769..20811, 21340..21408, 21569..21823		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46202	Strand	+
Start	18548	End	22121
Name	OJ990515_20.9924.C9.o2.gp	Method	AAT/GAP
Start	21569	End	22121
GI	84014_1.R1084	Score	1028
Exons	21569..22121		
GI Descrip.	'1930079 7.0e-19 (U92877) acyl-ACP thioesterase [Garcinia mangostana]'		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	1483
GI	3138799	Score	205
Exons	1..24, 1238..1345, 1443..1483		
GI Descrip.	(AB014058) beta 6 subunit of 20S proteasome [Oryza sativa]		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o4.tm	Method	TBLASTX:Maize
Start	1167	End	1527
GI	none	Score	78
Exons	1167..1280, 1202..1279, 1237..1332, 1240..1350, 1287..1337, 1442..1471, 1443..1523, 1443..1508, 1480..1527		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o1.gp	Method	AAT/GAP
Start	1188	End	1597
GI	57_1.R1084	Score	474
Exons	1188..1345, 1443..1597		
GI Descrip.	'3138799/dbj|BAA28276| 1.0e-124 (AB014058) beta 6 subunit of 20S proteasome [Oryza sativa]'		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	1237	End	1505
GI	none	Score	139
Exons	1237..1350, 1237..1332, 1238..1375, 1287..1337, 1442..1471, 1443..1505, 1443..1493		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o1.gs	Method	GENSCAN
Start	1238	End	10833
GI	none	Score	.46
Exons	1238..1345, 1443..1528, 2859..2991, 3414..3510, 3868..3920, 3955..4217, 4295..4393, 4475..4820, 4864..5069, 5162..5353, 5430..5512, 5543..5827, 5922..6192, 6465..7247, 7292..8343, 8879..8989, 9068..9223, 10200..10274, 10815..10833		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o2.np	Method	AAT/NAP
Start	3272	End	7079
GI	6815062	Score	3694
Exons	3272..3504, 3559..3579, 3878..4217, 4295..4393, 4475..4820, 4864..5069, 5162..5353, 5430..5827, 5922..7079		

GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	4475	End	5598
GI	none	Score	67
Exons	4475..4771, 4863..4889, 4896..5063, 4915..5013, 5144..5221, 5231..5272, 5294..5365, 5427..5597, 5434..5598		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o5.tm	Method	TBLASTX:Maize
Start	5601	End	6084
GI	none	Score	57
Exons	5601..5696, 5605..5700, 5706..5735, 5730..5837, 5752..5838, 5899..6084, 5906..6082		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46203	Strand	-
Start	1	End	10833
Name	OJ990515_20.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	6549	End	7038
GI	none	Score	188
Exons	6549..6860, 6571..6861, 6879..7034, 6913..7038		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46204	Strand	
Start	11416	End	11802
Name	OJ990515_20.9924.C9.o2.tc	Method	TBLASTX:Cress
Start	11416	End	11802
GI	none	Score	175
Exons	11416..11634, 11761..11802		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46204	Strand	
Start	11416	End	11802
Name	OJ990515_20.9924.C9.o6.tm	Method	TBLASTX:Maize
Start	11418	End	11634
GI	none	Score	199
Exons	11418..11561, 11422..11634		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46205	Strand	
Start	18538	End	21955
Name	OJ990515_20.9924.C9.o3.tm	Method	TBLASTX:Maize
Start	18538	End	21955
GI	none	Score	64
Exons	18538..18582, 18548..18577, 18713..18862, 18777..18806, 18790..18852, 19883..20023, 19888..20019, 20109..20222, 20111..20251, 20112..20222, 20758..20862, 20764..20865, 20765..20863, 20766..20873, 20766..20864, 21132..21245, 21166..21261, 21167..21256, 21324..21413, 21334..21408,		

21566..21742, 21569..21742, 21607..21756, 21674..21823,
21712..21822, 21726..21866, 21923..21955

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46205	Strand	
Start	18538	End	21955
Name	OJ990515_20.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	18728	End	21811
GI	none	Score	183
Exons	18728..18862, 18796..18852, 19883..20023, 19885..20019, 19886..20023, 20103..20219, 20111..20242, 20112..20222, 20758..20865, 20764..20865, 21166..21249, 21167..21253, 21313..21399, 21334..21408, 21339..21413, 21566..21667, 21568..21642, 21695..21811, 21697..21810		

Seq. No.	22169	Seq. ID	OJ990515_20.9924.C9
Gene No.	46205	Strand	
Start	18538	End	21955
Name	OJ990515_20.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	18731	End	21808
GI	none	Score	110
Exons	18731..18862, 19883..20023, 19901..20023, 20111..20251, 20112..20246, 20764..20838, 21334..21408, 21566..21673, 21770..21808		

Seq. No.	22170	Seq. ID	OJ990715_14.9922.C1
Gene No.	46206	Strand	+
Start	1	End	195
Name	OJ990715_14.9922.C1.o1.gp	Method	AAT/GAP
Start	1	End	195
GI	342_1.R1084	Score	340
Exons	1..195		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	22170	Seq. ID	OJ990715_14.9922.C1
Gene No.	46206	Strand	+
Start	1	End	195
Name	OJ990715_14.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	195
GI	4680203	Score	163
Exons	1..195		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22170	Seq. ID	OJ990715_14.9922.C1
Gene No.	46207	Strand	-
Start	94	End	144
Name	OJ990715_14.9922.C1.o1.gs	Method	GENSCAN
Start	94	End	144
GI	none	Score	.6
Exons	94..144		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46208	Strand	+
Start	137	End	4784
Name	OJ990715_14.9922.C2.o1.gs	Method	GENSCAN
Start	137	End	4765

GI	none	Score	.68
Exons	137..210, 1070..1225, 1290..2489, 2564..3663, 3773..3946, 4043..4153, 4238..4310, 4583..4765		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46208	Strand	+
Start	137	End	4784
Name	OJ990715_14.9922.C2.o1.np	Method	AAT/NAP
Start	1055	End	4784
GI	4680204	Score	1065
Exons	1055..2489, 2564..3663, 3773..3946, 4043..4262, 4613..4708, 4743..4784		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46209	Strand	+
Start	12012	End	13758
Name	OJ990715_14.9922.C2.o3.np	Method	AAT/NAP
Start	12012	End	13758
GI	4467124	Score	330
Exons	12012..12871, 13476..13758		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46210	Strand	+
Start	15073	End	15178
Name	OJ990715_14.9922.C2.o3.gp	Method	AAT/GAP
Start	15073	End	15178
GI	5816518	Score	159
Exons	15073..15178		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46211	Strand	+
Start	17694	End	18186
Name	OJ990715_14.9922.C2.o4.np	Method	AAT/NAP
Start	17694	End	18186
GI	5091512	Score	619
Exons	17694..18186		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46212	Strand	-
Start	5155	End	5300
Name	OJ990715_14.9922.C2.o1.gp	Method	AAT/GAP
Start	5155	End	5300
GI	21474_1.R1084	Score	253
Exons	5155..5300		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46213	Strand	-
Start	10044	End	15064
Name	OJ990715_14.9922.C2.o3.gs	Method	GENSCAN

Start	10044	End	14942
GI	none	Score	.75
Exons	10044..10222, 10381..10616, 10745..10866, 11765..11844, 13033..13359, 14095..14189, 14636..14809, 14878..14942		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46213	Strand	-
Start	10044	End	15064
Name	OJ990715_14.9922.C2.o2.gp	Method	AAT/GAP
Start	14840	End	15064
GI	3761181	Score	345
Exons	14840..15064		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46214	Strand	-
Start	16759	End	18176
Name	OJ990715_14.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	1696	End	2099
GI	none	Score	62
Exons	1696..1836, 1696..1812, 1698..1934, 1698..1847, 1799..1939, 1929..2099, 2004..2099		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46214	Strand	-
Start	16759	End	18176
Name	OJ990715_14.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	2100	End	2776
GI	none	Score	69
Exons	2100..2180, 2421..2492, 2555..2776, 2557..2631		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46214	Strand	-
Start	16759	End	18176
Name	OJ990715_14.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	3590	End	4112
GI	none	Score	61
Exons	3590..3670, 3759..3941, 3809..3934, 4041..4112		

Seq. No.	22171	Seq. ID	OJ990715_14.9922.C2
Gene No.	46214	Strand	-
Start	16759	End	18176
Name	OJ990715_14.9922.C2.o4.gs	Method	GENSCAN
Start	16759	End	18176
GI	none	Score	.6
Exons	16759..16973, 17345..17567, 17622..18176		

Seq. No.	22172	Seq. ID	OJ990715_14.9922.C3
Gene No.	46215	Strand	+
Start	1	End	369
Name	OJ990715_14.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	369
GI	5091512	Score	469
Exons	1..369		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	22173	Seq. ID	OJ990715_14.9922.C6
Gene No.	46216	Strand	-
Start	1	End	530
Name	OJ990715_14.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	530
GI	5902444	Score	306
Exons	1..413, 507..530		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	22173	Seq. ID	OJ990715_14.9922.C6
Gene No.	46216	Strand	-
Start	1	End	530
Name	OJ990715_14.9922.C6.o1.gs	Method	GENSCAN
Start	157	End	356
GI	none	Score	.86
Exons	157..356		

Seq. No.	22174	Seq. ID	OJ990715_14.9922.C7
Gene No.	46217	Strand	+
Start	229	End	352
Name	OJ990715_14.9922.C7.o1.gs	Method	GENSCAN
Start	229	End	352
GI	none	Score	.81
Exons	229..352		

Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46218	Strand	+
Start	3776	End	7331
Name	OJ990715_14.9922.C8.o3.gs	Method	GENSCAN
Start	3776	End	7331
GI	none	Score	.56
Exons	3776..3861, 4993..5090, 6997..7043, 7158..7331		

Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46219	Strand	+
Start	11741	End	13404
Name	OJ990715_14.9922.C8.o2.np	Method	AAT/NAP
Start	10407	End	11843
GI	6907088	Score	968
Exons	10407..10544, 10720..10957, 11452..11843		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46219	Strand	+
Start	11741	End	13404
Name	OJ990715_14.9922.C8.o5.gs	Method	GENSCAN
Start	11741	End	13404
GI	none	Score	.53
Exons	11741..12075, 13356..13404		

Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46219	Strand	+
Start	11741	End	13404
Name	OJ990715_14.9922.C8.o3.np	Method	AAT/NAP
Start	11828	End	13167
GI	5734635	Score	259

Exons	11828..11925, 11977..12243, 12431..13167		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46220	Strand	+
Start	18372	End	20682
Name	OJ990715_14.9922.C8.o4.np	Method	AAT/NAP
Start	18041	End	20682
GI	6907088	Score	126
Exons	18041..18074, 19255..19418, 20650..20682		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46220	Strand	+
Start	18372	End	20682
Name	OJ990715_14.9922.C8.o7.gs	Method	GENSCAN
Start	18372	End	20384
GI	none	Score	.94
Exons	18372..18394, 19003..19027, 19717..19854, 20262..20384		
Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46221	Strand	-
Start	1	End	2166
Name	OJ990715_14.9922.C8.o1.gp	Method	AAT/GAP
Start	1	End	1338
GI	2310235	Score	299
Exons	1..27, 752..890, 1301..1338		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46221	Strand	-
Start	1	End	2166
Name	OJ990715_14.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	2166
GI	4680203	Score	991
Exons	1..890, 2134..2166		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46221	Strand	-
Start	1	End	2166
Name	OJ990715_14.9922.C8.o1.gs	Method	GENSCAN
Start	78	End	890
GI	none	Score	.93
Exons	78..890		
Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46222	Strand	-
Start	2160	End	2414
Name	OJ990715_14.9922.C8.o2.gs	Method	GENSCAN
Start	2160	End	2414
GI	none	Score	.63
Exons	2160..2414		
Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46223	Strand	-

Start	9527	End	10030
Name	OJ990715_14.9922.C8.o2.gp	Method	AAT/GAP
Start	9527	End	10030
GI	38782_1.R1084	Score	765
Exons	9527..10030		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46224	Strand	-
Start	14189	End	15554
Name	OJ990715_14.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	126	End	416
GI	none	Score	103
Exons	126..191, 198..416, 202..408		

Seq. No.	22175	Seq. ID	OJ990715_14.9922.C8
Gene No.	46224	Strand	-
Start	14189	End	15554
Name	OJ990715_14.9922.C8.o6.gs	Method	GENSCAN
Start	14189	End	15554
GI	none	Score	.6
Exons	14189..14212, 14748..14809, 14834..15554		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46225	Strand	+
Start	500	End	1089
Name	OJ990715_14.9922.C9.o1.gs	Method	GENSCAN
Start	500	End	1089
GI	none	Score	.69
Exons	500..531, 625..804, 892..1089		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46226	Strand	+
Start	6168	End	6475
Name	OJ990715_14.9922.C9.o1.gp	Method	AAT/GAP
Start	6168	End	6475
GI	5816559	Score	496
Exons	6168..6475		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46227	Strand	+
Start	7544	End	10488
Name	OJ990715_14.9922.C9.o1.np	Method	AAT/NAP
Start	7544	End	10485
GI	6691716	Score	2369
Exons	7544..8414, 8613..8805, 8887..9006, 9101..9263, 9338..9525, 9601..9704, 9855..9967, 10040..10485		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46227	Strand	+

Start	7544	End	10488
Name	OJ990715_14.9922.C9.o3.gs	Method	GENSCAN
Start	7544	End	10488
GI	none	Score	.83
Exons	7544..8428, 8648..8805, 8887..9263, 9338..9525, 9601..9790, 9863..9967, 10040..10488		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46228	Strand	+
Start	17032	End	17339
Name	OJ990715_14.9922.C9.o2.gp	Method	AAT/GAP
Start	17032	End	17339
GI	5816559	Score	496
Exons	17032..17339		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46229	Strand	+
Start	24082	End	24201
Name	OJ990715_14.9922.C9.o4.gp	Method	AAT/GAP
Start	24082	End	24201
GI	LIB3477-003-P1-K1-E9	Score	186
Exons	24082..24201		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46230	Strand	-
Start	2056	End	5656
Name	OJ990715_14.9922.C9.o2.gs	Method	GENSCAN
Start	2056	End	5656
GI	none	Score	.64
Exons	2056..2161, 3756..3848, 3893..3985, 4077..4282, 5654..5656		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46231	Strand	-
Start	10805	End	16903
Name	OJ990715_14.9922.C9.o4.gs	Method	GENSCAN
Start	10805	End	16903
GI	none	Score	.76
Exons	10805..13886, 13983..14898, 15025..16903		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46231	Strand	-
Start	10805	End	16903
Name	OJ990715_14.9922.C9.o2.np	Method	AAT/NAP
Start	10841	End	16903
GI	5922631	Score	6689
Exons	10841..13368, 13975..14898, 15025..15176, 15219..15790, 15836..16038, 16273..16520, 16779..16903		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs		

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o6.tw	Method	TBLASTX:Wheat
Start	1860	End	14635
GI	none	Score	56
Exons	1860..1985, 2785..2862, 14178..14414, 14180..14410, 14459..14572, 14459..14635		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o9.tw	Method	TBLASTX:Wheat
Start	7664	End	7954
GI	none	Score	216
Exons	7664..7954		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	10817	End	11431
GI	none	Score	77
Exons	10817..10954, 10940..11431, 11169..11270, 11322..11411		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	10856	End	11119
GI	none	Score	100
Exons	10856..10957, 10857..10958, 10937..11119, 10938..10997		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o6.tm	Method	TBLASTX:Maize
Start	11201	End	11474
GI	none	Score	56
Exons	11201..11287, 11297..11380, 11310..11384, 11367..11474, 11375..11473		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o4.tw	Method	TBLASTX:Wheat
Start	11546	End	11933
GI	none	Score	103
Exons	11546..11731, 11546..11932, 11622..11933		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945

Name	OJ990715_14.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	11576	End	11938
GI	none	Score	67
Exons	11576..11623, 11577..11624, 11595..11918, 11615..11938, 11628..11918		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o10.tw	Method	TBLASTX:Wheat
Start	11936	End	12235
GI	none	Score	130
Exons	11936..12076, 12101..12235		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o5.tm	Method	TBLASTX:Maize
Start	12167	End	12421
GI	none	Score	193
Exons	12167..12421		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o5.tw	Method	TBLASTX:Wheat
Start	12251	End	12673
GI	none	Score	267
Exons	12251..12673, 12261..12665		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	12294	End	12682
GI	none	Score	147
Exons	12294..12674, 12296..12682		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o8.tw	Method	TBLASTX:Wheat
Start	12677	End	12959
GI	none	Score	70
Exons	12677..12958, 12689..12823, 12882..12959		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	12797	End	13241
GI	none	Score	89
Exons	12797..12823, 12821..12964, 12834..12965, 12980..13216, 12986..13240, 12987..13241		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-

Start	17812	End	18945
Name	OJ990715_14.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	12908	End	13339
GI	none	Score	46
Exons	12908..13339, 12942..13112, 12995..13276, 13149..13292		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o3.tw	Method	TBLASTX:Wheat
Start	12963	End	13387
GI	none	Score	296
Exons	12963..13343, 12963..13322, 12968..13387		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	13472	End	13828
GI	none	Score	89
Exons	13472..13765, 13472..13828, 13482..13787		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	13502	End	13958
GI	none	Score	274
Exons	13502..13957, 13503..13958		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o3.ts	Method	TBLASTX:Soybean
Start	13553	End	13918
GI	none	Score	132
Exons	13553..13687, 13694..13918		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o7.tw	Method	TBLASTX:Wheat
Start	15212	End	15614
GI	none	Score	117
Exons	15212..15613, 15345..15614		

Seq. No.	22176	Seq. ID	OJ990715_14.9922.C9
Gene No.	46232	Strand	-
Start	17812	End	18945
Name	OJ990715_14.9922.C9.o5.gs	Method	GENSCAN
Start	17812	End	18945
GI	none	Score	.98
Exons	17812..18945		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46233	Strand	+
Start	6109	End	15312

Name	OJ990715_14.9922.C10.o2.gs	Method	GENSCAN
Start	6109	End	15312
GI	none	Score	.94
Exons	6109..6247, 6402..6535, 7678..7788, 7880..7963, 8046..8142, 8528..8579, 9653..9713, 10738..15312		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46233	Strand	+
Start	6109	End	15312
Name	OJ990715_14.9922.C10.o2.np	Method	AAT/NAP
Start	10735	End	15309
GI	4680179	Score	6660
Exons	10735..15309		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46234	Strand	-
Start	7110	End	11081
Name	OJ990715_14.9922.C10.o1.np	Method	AAT/NAP
Start	7110	End	11081
GI	5295955	Score	856
Exons	7110..7751, 7868..8312, 8993..9107, 9650..9766, 10930..11081		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46235	Strand	
Start	11004	End	11544
Name	OJ990715_14.9922.C10.o7.tw	Method	TBLASTX:Wheat
Start	11004	End	11367
GI	none	Score	297
Exons	11004..11108, 11008..11367, 11133..11366		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46235	Strand	
Start	11004	End	11544
Name	OJ990715_14.9922.C10.o7.tm	Method	TBLASTX:Maize
Start	11248	End	11544
GI	none	Score	201
Exons	11248..11544, 11265..11435		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46236	Strand	
Start	11890	End	12297
Name	OJ990715_14.9922.C10.o6.tm	Method	TBLASTX:Maize
Start	11890	End	12210
GI	none	Score	209
Exons	11890..12210		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46236	Strand	
Start	11890	End	12297
Name	OJ990715_14.9922.C10.o8.tw	Method	TBLASTX:Wheat
Start	11943	End	12297
GI	none	Score	262
Exons	11943..12038, 11944..12297, 12127..12261		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46237	Strand	
Start	12468	End	13341
Name	OJ990715_14.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	12468	End	12954
GI	none	Score	546
Exons	12468..12911, 12472..12954		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46237	Strand	
Start	12468	End	13341
Name	OJ990715_14.9922.C10.o5.tm	Method	TBLASTX:Maize
Start	12481	End	12773
GI	none	Score	320
Exons	12481..12771, 12483..12554, 12582..12773		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46237	Strand	
Start	12468	End	13341
Name	OJ990715_14.9922.C10.o4.ts	Method	TBLASTX:Soybean
Start	12541	End	12822
GI	none	Score	183
Exons	12541..12822, 12624..12821		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46237	Strand	
Start	12468	End	13341
Name	OJ990715_14.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	12841	End	13341
GI	none	Score	157
Exons	12841..13020, 13006..13341		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46237	Strand	
Start	12468	End	13341
Name	OJ990715_14.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	12895	End	13290
GI	none	Score	57
Exons	12895..12927, 12895..12927, 12931..13290, 12934..13008, 12995..13072, 13047..13289		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46237	Strand	
Start	12468	End	13341
Name	OJ990715_14.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	13003	End	13305
GI	none	Score	391
Exons	13003..13305, 13041..13304		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46238	Strand	
Start	13306	End	13815
Name	OJ990715_14.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	13306	End	13815
GI	none	Score	644
Exons	13306..13815, 13338..13724		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46238	Strand	
Start	13306	End	13815
Name	OJ990715_14.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	13315	End	13557
GI	none	Score	197
Exons	13315..13557		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46238	Strand	
Start	13306	End	13815
Name	OJ990715_14.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	13378	End	13731
GI	none	Score	483
Exons	13378..13731, 13380..13646, 13420..13716		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	13819	End	14298
GI	none	Score	589
Exons	13819..14298, 13837..14292, 13914..14297		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	13996	End	14322
GI	none	Score	90
Exons	13996..14178, 14179..14322, 14244..14321		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	14086	End	14346
GI	none	Score	300
Exons	14086..14346, 14087..14293, 14244..14345		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	14144	End	14436
GI	none	Score	389
Exons	14144..14335, 14146..14436, 14215..14427, 14253..14432		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	14305	End	14931
GI	none	Score	672
Exons	14305..14931, 14361..14930		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10

Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	14485	End	15072
GI	none	Score	226
Exons	14485..14646, 14493..14639, 14644..14742, 14644..14712, 14646..14741, 14760..15056, 14803..15072, 14811..15071		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o6.tw	Method	TBLASTX:Wheat
Start	14932	End	15264
GI	none	Score	361
Exons	14932..15264, 14959..15048		

Seq. No.	22177	Seq. ID	OJ990715_14.9922.C10
Gene No.	46239	Strand	
Start	13819	End	15285
Name	OJ990715_14.9922.C10.o8.tm	Method	TBLASTX:Maize
Start	15073	End	15285
GI	none	Score	200
Exons	15073..15285		

Seq. No.	22178	Seq. ID	OJ990715_14.9922.C11
Gene No.	46240	Strand	+
Start	355	End	2006
Name	OJ990715_14.9922.C11.o1.gs	Method	GENSCAN
Start	355	End	2006
GI	none	Score	.76
Exons	355..434, 1817..2006		

Seq. No.	22178	Seq. ID	OJ990715_14.9922.C11
Gene No.	46241	Strand	+
Start	4725	End	8656
Name	OJ990715_14.9922.C11.o3.gs	Method	GENSCAN
Start	4725	End	8648
GI	none	Score	.48
Exons	4725..5002, 5262..5366, 5465..5964, 6750..6941, 7853..7899, 7904..8028, 8602..8648		

Seq. No.	22178	Seq. ID	OJ990715_14.9922.C11
Gene No.	46241	Strand	+
Start	4725	End	8656
Name	OJ990715_14.9922.C11.o1.np	Method	AAT/NAP
Start	6848	End	8656
GI	6006359	Score	77
Exons	6848..7005, 8602..8656		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	22178	Seq. ID	OJ990715_14.9922.C11
Gene No.	46242	Strand	-
Start	2644	End	3867
Name	OJ990715_14.9922.C11.o2.gs	Method	GENSCAN
Start	2644	End	3867
GI	none	Score	1
Exons	2644..3867		

Seq. No.	22179	Seq. ID	OJ990715_14.9922.C12
Gene No.	46243	Strand	+
Start	641	End	2890
Name	OJ990715_14.9922.C12.o1.gs	Method	GENSCAN
Start	641	End	2890
GI	none	Score	.86
Exons	641..682, 1208..1387, 2498..2890		

Seq. No.	22179	Seq. ID	OJ990715_14.9922.C12
Gene No.	46244	Strand	-
Start	3574	End	7002
Name	OJ990715_14.9922.C12.o2.gs	Method	GENSCAN
Start	3574	End	7002
GI	none	Score	.78
Exons	3574..4799, 6651..7002		

Seq. No.	22180	Seq. ID	OJ990715_14.9922.C13
Gene No.	46245	Strand	+
Start	3406	End	10263
Name	OJ990715_14.9922.C13.o2.gs	Method	GENSCAN
Start	3406	End	10263
GI	none	Score	.56
Exons	3406..3836, 3966..4585, 4811..4933, 5018..5185, 5357..5401, 5471..5737, 5949..6067, 6148..6265, 6290..6408, 6552..6812, 7010..7111, 7577..7748, 7812..8008, 8434..8754, 9392..9471, 9959..10263		

Seq. No.	22180	Seq. ID	OJ990715_14.9922.C13
Gene No.	46245	Strand	+
Start	3406	End	10263
Name	OJ990715_14.9922.C13.o1.np	Method	AAT/NAP
Start	3517	End	7762
GI	5441880	Score	2130
Exons	3517..4528, 4973..5005, 5264..5632, 5681..6093, 6133..6447, 6552..6812, 7002..7236, 7543..7762		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	22180	Seq. ID	OJ990715_14.9922.C13
Gene No.	46245	Strand	+
Start	3406	End	10263
Name	OJ990715_14.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	4084	End	4680
GI	none	Score	358
Exons	4084..4551, 4089..4562, 4609..4680		

Seq. No.	22180	Seq. ID	OJ990715_14.9922.C13
Gene No.	46245	Strand	+
Start	3406	End	10263
Name	OJ990715_14.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	4378	End	4755
GI	none	Score	178
Exons	4378..4527, 4380..4532, 4381..4557, 4581..4649, 4582..4755, 4604..4744		

Seq. No.	22181	Seq. ID	OJ990715_14.9922.C15
Gene No.	46246	Strand	-
Start	1	End	316
Name	OJ990715_14.9922.C15.o1.gp	Method	AAT/GAP
Start	1	End	316
GI	342_1.R1084	Score	583
Exons	1..316		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	22181	Seq. ID	OJ990715_14.9922.C15
Gene No.	46246	Strand	-
Start	1	End	316
Name	OJ990715_14.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	316
GI	6742729	Score	517
Exons	1..316		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	22181	Seq. ID	OJ990715_14.9922.C15
Gene No.	46246	Strand	-
Start	1	End	316
Name	OJ990715_14.9922.C15.o1.gs	Method	GENSCAN
Start	15	End	201
GI	none	Score	.64
Exons	15..201		

Seq. No.	22182	Seq. ID	OJ990715_14.9922.C16
Gene No.	46247	Strand	-
Start	142	End	385
Name	OJ990715_14.9922.C16.o1.gs	Method	GENSCAN
Start	142	End	252
GI	none	Score	.67
Exons	142..252		

Seq. No.	22182	Seq. ID	OJ990715_14.9922.C16
Gene No.	46247	Strand	-
Start	142	End	385
Name	OJ990715_14.9922.C16.o1.np	Method	AAT/NAP
Start	147	End	385
GI	6907088	Score	331
Exons	147..385		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22183	Seq. ID	OJ990505_01.9924.C1
Gene No.	46248	Strand	-
Start	1	End	476
Name	OJ990505_01.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	418
GI	6069670	Score	417
Exons	1..89, 156..418		
GI Descrip.	(AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]		

Seq. No.	22183	Seq. ID	OJ990505_01.9924.C1
Gene No.	46248	Strand	-

Start	1	End	476
Name	OJ990505_01.9924.C1.o1.gp	Method	AAT/GAP
Start	153	End	476
GI	uC-osf1M202066a01b1	Score	594
Exons	153..476		
GI Descrip.	'6069670/dbj|BAA85446.1| 2.0e-37 (AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]'		

Seq. No.	22183	Seq. ID	OJ990505_01.9924.C1
Gene No.	46248	Strand	-
Start	1	End	476
Name	OJ990505_01.9924.C1.o1.gs	Method	GENSCAN
Start	156	End	418
GI	none	Score	.65
Exons	156..418		

Seq. No.	22184	Seq. ID	OJ990505_01.9924.C2
Gene No.	46249	Strand	+
Start	147	End	834
Name	OJ990505_01.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	144	End	773
GI	none	Score	71
Exons	144..200, 146..199, 165..749, 191..664, 621..773, 633..755		

Seq. No.	22184	Seq. ID	OJ990505_01.9924.C2
Gene No.	46249	Strand	+
Start	147	End	834
Name	OJ990505_01.9924.C2.o1.np	Method	AAT/NAP
Start	147	End	834
GI	6714431	Score	804
Exons	147..834		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	22184	Seq. ID	OJ990505_01.9924.C2
Gene No.	46249	Strand	+
Start	147	End	834
Name	OJ990505_01.9924.C2.o1.gs	Method	GENSCAN
Start	150	End	680
GI	none	Score	.76
Exons	150..680		

Seq. No.	22184	Seq. ID	OJ990505_01.9924.C2
Gene No.	46249	Strand	+
Start	147	End	834
Name	OJ990505_01.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	223	End	584
GI	none	Score	373
Exons	223..582, 228..584, 228..491, 229..498, 230..583		

Seq. No.	22184	Seq. ID	OJ990505_01.9924.C2
Gene No.	46249	Strand	+
Start	147	End	834
Name	OJ990505_01.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	233	End	671
GI	none	Score	275

Exons	233..430, 240..431, 423..671, 452..625		
Seq. No.	22184	Seq. ID	OJ990505_01.9924.C2
Gene No.	46249	Strand	+
Start	147	End	834
Name	OJ990505_01.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	240	End	725
GI	none	Score	275
Exons	240..431, 241..447, 242..430, 431..625, 438..671, 651..725		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46250	Strand	+
Start	40	End	3311
Name	OJ990505_01.9924.C3.o1.gp	Method	AAT/GAP
Start	40	End	3311
GI	23462_1.R1084	Score	2455
Exons	40..346, 1066..1133, 1313..1468, 2312..2503, 2585..2758, 2889..3311		
GI Descrip.	'481815/pir||S39502 5.0e-56 vegetative storage protein - western balsam poplar x cottonwood >gi_309839 (L20233) vegetative storage protein [Populus trichocarpa x Populus deltoides]'		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46250	Strand	+
Start	40	End	3311
Name	OJ990505_01.9924.C3.o1.gs	Method	GENSCAN
Start	103	End	3080
GI	none	Score	.9
Exons	103..207, 1313..1468, 2312..2503, 2585..2758, 2889..3080		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46250	Strand	+
Start	40	End	3311
Name	OJ990505_01.9924.C3.o1.np	Method	AAT/NAP
Start	103	End	3044
GI	5051776	Score	372
Exons	103..350, 1088..1133, 1313..1485, 2323..2509, 2585..2758, 2889..3044		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46251	Strand	+
Start	8949	End	12827
Name	OJ990505_01.9924.C3.o3.gs	Method	GENSCAN
Start	8949	End	12827
GI	none	Score	.53
Exons	8949..8971, 9347..9508, 12547..12591, 12749..12827		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46252	Strand	+
Start	17578	End	21714
Name	OJ990505_01.9924.C3.o5.gs	Method	GENSCAN
Start	17578	End	21714
GI	none	Score	.98
Exons	17578..18524, 18840..19647, 19957..21714		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3

Gene No.	46252	Strand	+
Start	17578	End	21714
Name	OJ990505_01.9924.C3.o3.np	Method	AAT/NAP
Start	17602	End	21711
GI	6714431	Score	4750
Exons	17602..17778, 17806..18524, 18840..19647, 19957..21711		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46252	Strand	+
Start	17578	End	21714
Name	OJ990505_01.9924.C3.o3.gp	Method	AAT/GAP
Start	20860	End	21195
GI	2800379	Score	612
Exons	20860..21195		
GI Descrip.	6056428/gb|AAF02892.1|AC009525_26 9.0e-46 (AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o8.tm	Method	TBLASTX:Maize
Start	211	End	1410
GI	none	Score	192
Exons	211..348, 221..346, 222..347, 1053..1136, 1064..1135, 1310..1408, 1312..1410		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o6.tm	Method	TBLASTX:Maize
Start	2311	End	2609
GI	none	Score	89
Exons	2311..2379, 2312..2380, 2374..2505, 2375..2533, 2568..2609		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o6.ts	Method	TBLASTX:Soybean
Start	3820	End	4089
GI	none	Score	176
Exons	3820..4089, 3827..4042		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o5.tm	Method	TBLASTX:Maize
Start	3823	End	4089
GI	none	Score	168
Exons	3823..4089, 3833..4045		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o2.gs	Method	GENSCAN

Start	3835	End	6039
GI	none	Score	.97
Exons	3835..6039		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o3.tc	Method	TBLASTX:Cress
Start	3835	End	4335
GI	none	Score	106
Exons	3835..4083, 3836..4042, 4087..4335, 4229..4300		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o2.np	Method	AAT/NAP
Start	3838	End	7222
GI	5725434	Score	1378
Exons	3838..5824, 7133..7222		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	4093	End	5875
GI	none	Score	107
Exons	4093..4968, 4571..4831, 4585..4764, 4630..4965, 4640..4834, 4657..4887, 4658..4957, 4924..5253, 4939..5109, 4945..5235, 4951..5175, 4970..5236, 4978..5364, 4988..5056, 5081..5230, 5170..5478, 5248..5583, 5278..5478, 5536..5733, 5569..5874, 5587..5859, 5596..5664, 5654..5875		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o5.ts	Method	TBLASTX:Soybean
Start	4135	End	4653
GI	none	Score	95
Exons	4135..4653, 4229..4426		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o2.gp	Method	AAT/GAP
Start	4311	End	4630
GI	LIB3432-051-P1-K1-C7	Score	607
Exons	4311..4630		
GI Descrip.	'6006885/gb|AAF00660.1|AC008153_12 2.0e-29 (AC008153) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o4.tc	Method	TBLASTX:Cress
Start	4363	End	5859
GI	none	Score	71

Exons	4363..4488, 4486..5064, 4501..4746, 4571..5050, 4612..4770, 4924..5355, 5188..5478, 5578..5859, 5584..5673		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o4.tw	Method	TBLASTX:Wheat
Start	4528	End	5904
GI	none	Score	55
Exons	4528..5001, 4531..4656, 4571..4981, 4588..4707, 4924..5310, 5191..5475, 5291..5455, 5560..5904		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46253	Strand	-
Start	3835	End	7222
Name	OJ990505_01.9924.C3.o8.ts	Method	TBLASTX:Soybean
Start	4654	End	5904
GI	none	Score	69
Exons	4654..4812, 4655..4813, 4732..5115, 4880..5086, 5035..5418, 5263..5415, 5306..5416, 5620..5724, 5644..5904		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46254	Strand	
Start	11700	End	12186
Name	OJ990505_01.9924.C3.o7.tm	Method	TBLASTX:Maize
Start	11700	End	12186
GI	none	Score	183
Exons	11700..11969, 11711..11878, 12049..12084, 12118..12186		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46255	Strand	
Start	17692	End	18105
Name	OJ990505_01.9924.C3.o3.ts	Method	TBLASTX:Soybean
Start	17692	End	18105
GI	none	Score	120
Exons	17692..17790, 17694..17744, 17805..18104, 17806..18105		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46256	Strand	
Start	18265	End	18903
Name	OJ990505_01.9924.C3.o7.ts	Method	TBLASTX:Soybean
Start	18265	End	18903
GI	none	Score	182
Exons	18265..18396, 18291..18380, 18442..18525, 18444..18521, 18859..18903		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46256	Strand	
Start	18265	End	18903
Name	OJ990505_01.9924.C3.o5.tc	Method	TBLASTX:Cress
Start	18292	End	18525
GI	none	Score	150
Exons	18292..18381, 18298..18372, 18303..18380, 18445..18525		
Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723

Name	OJ990505_01.9924.C3.o2.tc	Method	TBLASTX:Cress
Start	18820	End	21669
GI	none	Score	197
Exons	18820..19044, 19074..19361, 19075..19437, 19093..19377, 19115..19381, 19564..19590, 19627..19650, 20040..20237, 20047..20238, 20230..20349, 21420..21668, 21421..21669		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	18906	End	19650
GI	none	Score	105
Exons	18906..18995, 18906..19649, 18907..19650		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	19099	End	20064
GI	none	Score	269
Exons	19099..19263, 19101..19262, 19258..19650, 19263..19505, 19264..19650, 19951..20007, 20029..20064		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o6.tw	Method	TBLASTX:Wheat
Start	19248	End	19590
GI	none	Score	219
Exons	19248..19343, 19249..19437, 19564..19590		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	20030	End	20391
GI	none	Score	373
Exons	20030..20389, 20035..20391, 20035..20298, 20036..20305, 20037..20390		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o4.tm	Method	TBLASTX:Maize
Start	20040	End	20436
GI	none	Score	271
Exons	20040..20237, 20047..20238, 20047..20238, 20244..20432, 20245..20436		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o4.ts	Method	TBLASTX:Soybean
Start	20064	End	20694
GI	none	Score	448
Exons	20064..20324, 20065..20325, 20446..20694, 20448..20471,		

20500..20691, 20559..20693

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	20326	End	21669
GI	none	Score	111
Exons	20326..20445, 20694..20972, 20695..20982, 20737..20982, 21007..21363, 21051..21125, 21196..21321, 21198..21335, 21370..21669, 21388..21420, 21390..21668		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o1.tc	Method	TBLASTX:Cress
Start	20352	End	21419
GI	none	Score	171
Exons	20352..20444, 20359..20493, 20509..20982, 20512..21006, 20559..21005, 20967..21077, 20992..21075, 21078..21341, 21079..21417, 21079..21417, 21081..21419		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	20442	End	21723
GI	none	Score	2128
Exons	20442..21722, 20443..21723		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	20545	End	20909
GI	none	Score	482
Exons	20545..20904, 20562..20909, 20562..20903		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	21051	End	21437
GI	none	Score	269
Exons	21051..21410, 21051..21437, 21052..21435		

Seq. No.	22185	Seq. ID	OJ990505_01.9924.C3
Gene No.	46257	Strand	
Start	18820	End	21723
Name	OJ990505_01.9924.C3.o5.tw	Method	TBLASTX:Wheat
Start	21437	End	21585
GI	none	Score	160
Exons	21437..21580, 21438..21581, 21438..21581, 21439..21585		

Seq. No.	22186	Seq. ID	OJ990505_01.9924.C4
Gene No.	46258	Strand	-
Start	1244	End	2058

Name	OJ990505_01.9924.C4.o1.gs	Method	GENSCAN
Start	1244	End	2050
GI	none	Score	.57
Exons	1244..2050		

Seq. No.	22186	Seq. ID	OJ990505_01.9924.C4
Gene No.	46258	Strand	-
Start	1244	End	2058
Name	OJ990505_01.9924.C4.o1.np	Method	AAT/NAP
Start	1256	End	2058
GI	3608134	Score	386
Exons	1256..2058		
GI Descrip.	(AC005314) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	22186	Seq. ID	OJ990505_01.9924.C4
Gene No.	46258	Strand	-
Start	1244	End	2058
Name	OJ990505_01.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	1316	End	1900
GI	none	Score	67
Exons	1316..1420, 1427..1528, 1559..1693, 1560..1694, 1724..1900		

Seq. No.	22186	Seq. ID	OJ990505_01.9924.C4
Gene No.	46258	Strand	-
Start	1244	End	2058
Name	OJ990505_01.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	1592	End	1900
GI	none	Score	62
Exons	1592..1693, 1629..1709, 1724..1900, 1771..1809, 1791..1859		

Seq. No.	22186	Seq. ID	OJ990505_01.9924.C4
Gene No.	46258	Strand	-
Start	1244	End	2058
Name	OJ990505_01.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	1670	End	1906
GI	none	Score	36
Exons	1670..1696, 1671..1709, 1709..1906, 1725..1844		

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o2.np	Method	AAT/NAP
Start	1	End	10318
GI	6007553	Score	240
Exons	1..79, 6656..7019, 7770..7977, 8685..8881, 9281..9657, 10208..10318		
GI Descrip.	(AF183408) McyA [Microcystis aeruginosa]		

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o1.gs	Method	GENSCAN
Start	204	End	10029
GI	none	Score	.73
Exons	204..254, 338..421, 752..845, 1096..1252, 1329..1432, 2216..2260, 2887..2951, 3210..3294, 3480..3539, 4112..4155, 5459..6185, 6331..7041, 7777..7977, 8685..8881, 9281..9697,		

9783..10029

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	1039	End	1447
GI	5688457	Score	125
Exons	1039..1152, 1049..1162, 1183..1254, 1346..1447, 1365..1427		
GI Descrip.	-		

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o5.tm	Method	TBLASTX:Maize
Start	1189	End	2451
GI	none	Score	91
Exons	1189..1254, 1190..1255, 1195..1257, 1314..1454, 1325..1447, 2130..2153, 2198..2263, 2199..2261, 2213..2263, 2373..2447, 2374..2451, 2374..2445		

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	3217	End	5048
GI	none	Score	85
Exons	3217..3291, 3474..3542, 3608..3727, 3616..3726, 3629..3727, 4933..5043, 4941..5048, 4945..5043		

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	3641	End	5728
GI	none	Score	112
Exons	3641..3727, 3643..3726, 4102..4158, 4109..4168, 4109..4156, 4110..4157, 4111..4158, 4938..5042, 4944..5036, 4945..5043, 5109..5189, 5110..5190, 5456..5716, 5460..5717, 5461..5721, 5516..5728		

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	5901	End	6184
GI	none	Score	176
Exons	5901..6182, 5946..6182, 6023..6184		

Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o1.np	Method	AAT/NAP
Start	6084	End	10318
GI	1075778	Score	219
Exons	6084..6176, 6331..6545, 6597..7041, 7777..7977, 8685..8780, 9177..9392, 9423..9664, 10279..10318		

GI Descrip.	gramicidin S synthase 2 - Bacillus brevis gi|511490|dbj|BAA06146| (D29676) gramicidin S synthetase 2 [Brevibacillus brevis]		
Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o3.tm	Method	TBLASTX:Maize
Start	6835	End	7968
GI	none	Score	207
Exons	6835..7044, 6836..7063, 7774..7968, 7775..7966		
Seq. No.	22187	Seq. ID	OJ990505_01.9924.C5
Gene No.	46259	Strand	-
Start	1	End	10318
Name	OJ990505_01.9924.C5.o4.tm	Method	TBLASTX:Maize
Start	9493	End	9671
GI	none	Score	183
Exons	9493..9627, 9498..9644, 9504..9671, 9509..9658		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46260	Strand	+
Start	760	End	4699
Name	OJ990505_01.9924.C7.o1.np	Method	AAT/NAP
Start	760	End	4699
GI	6069670	Score	1971
Exons	760..798, 2233..3024, 3133..3222, 3728..3806, 3984..4090, 4216..4337, 4600..4699		
GI Descrip.	(AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46260	Strand	+
Start	760	End	4699
Name	OJ990505_01.9924.C7.o1.gs	Method	GENSCAN
Start	2257	End	3912
GI	none	Score	.98
Exons	2257..3024, 3133..3222, 3728..3806, 3896..3912		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46260	Strand	+
Start	760	End	4699
Name	OJ990505_01.9924.C7.o1.gp	Method	AAT/GAP
Start	2274	End	2359
GI	uC-osf1M202066a01b1	Score	134
Exons	2274..2359		
GI Descrip.	'6069670/dbj|BAA85446.1| 2.0e-37 (AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]'		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46261	Strand	+
Start	4762	End	5046
Name	OJ990505_01.9924.C7.o2.gp	Method	AAT/GAP
Start	4762	End	5046
GI	103159_1.R1084	Score	544

Exons	4762..5046		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-145 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46262	Strand	+
Start	6757	End	10499
Name	OJ990505_01.9924.C7.o3.gp	Method	AAT/GAP
Start	6315	End	10499
GI	140_1.R1084	Score	2519
Exons	6315..6480, 6750..6987, 7583..7750, 8730..8823, 9592..9747, 9976..10499		
GI Descrip.	'6069671/dbj|BAA85447.1| 0.0e+00 (AP000616) EST C72179(E1153) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana chromosome II BAC T4C15; hypothetical protein (AC004667) [Oryza sativa]'		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46262	Strand	+
Start	6757	End	10499
Name	OJ990505_01.9924.C7.o2.gs	Method	GENSCAN
Start	6757	End	10369
GI	none	Score	.79
Exons	6757..6987, 7583..7750, 8730..8823, 9245..9343, 9592..9747, 9976..10221, 10260..10369		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46262	Strand	+
Start	6757	End	10499
Name	OJ990505_01.9924.C7.o2.np	Method	AAT/NAP
Start	6757	End	10366
GI	6069671	Score	1796
Exons	6757..6987, 7583..7750, 8730..8823, 9245..9343, 9592..9747, 9976..10221, 10260..10366		
GI Descrip.	(AP000616) EST C72179(E1153) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana chromosome II BAC T4C15; hypothetical protein (AC004667) [Oryza sativa]		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46263	Strand	+
Start	12259	End	12570
Name	OJ990505_01.9924.C7.o3.gs	Method	GENSCAN
Start	12259	End	12570
GI	none	Score	.75
Exons	12259..12570		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46263	Strand	+
Start	12259	End	12570
Name	OJ990505_01.9924.C7.o3.np	Method	AAT/NAP
Start	12259	End	12567
GI	6069672	Score	519
Exons	12259..12567		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46264	Strand	+

Start	15012	End	19462
Name	OJ990505_01.9924.C7.o4.gs	Method	GENSCAN
Start	15012	End	19462
GI	none	Score	.51
Exons	15012..15666, 15799..16475, 16559..17019, 17625..17716, 18468..18561, 19402..19462		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46264	Strand	+
Start	15012	End	19462
Name	OJ990505_01.9924.C7.o4.np	Method	AAT/NAP
Start	15828	End	16094
GI	6503308	Score	75
Exons	15828..16094		
GI Descrip.	(AC011713) Contains PF|00646 F-box domain. ESTs gb|AA586135, gb|Z26675, gb|AI993239 and gb|AA585907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	2242	End	2679
GI	none	Score	295
Exons	2242..2565, 2271..2549, 2575..2679, 2575..2679		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	2683	End	4684
GI	none	Score	94
Exons	2683..2799, 2848..2913, 2890..3024, 2931..3020, 3130..3225, 3132..3215, 3725..3808, 3974..4087, 4228..4338, 4230..4328, 4598..4684		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	3752	End	4344
GI	none	Score	84
Exons	3752..3808, 3982..4089, 3983..4090, 3997..4092, 3999..4091, 4209..4343, 4210..4344, 4224..4343		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	6749	End	9746
GI	none	Score	308
Exons	6749..6781, 6805..6990, 6811..6996, 7580..7750, 7580..7750, 7582..7752, 8724..8822, 8727..8825, 9588..9746, 9590..9745, 9591..9746		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-

Start	20136	End	21043
Name	OJ990505_01.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	6811	End	7714
GI	none	Score	214
Exons	6811..6990, 6811..6990, 7579..7683, 7580..7714, 7580..7711		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o3.ts	Method	TBLASTX:Soybean
Start	6811	End	8822
GI	none	Score	232
Exons	6811..6996, 6814..6990, 7579..7683, 7580..7693, 7688..7744, 8727..8822		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	10002	End	10232
GI	none	Score	352
Exons	10002..10232, 10004..10174		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o5.gs	Method	GENSCAN
Start	20136	End	21043
GI	none	Score	.55
Exons	20136..20189, 20777..20890, 20987..21043		

Seq. No.	22188	Seq. ID	OJ990505_01.9924.C7
Gene No.	46265	Strand	-
Start	20136	End	21043
Name	OJ990505_01.9924.C7.o5.np	Method	AAT/NAP
Start	20593	End	21024
GI	6735365	Score	83
Exons	20593..20666, 20777..20888, 20984..21024		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	22189	Seq. ID	OJ990505_01.9924.C8
Gene No.	46266	Strand	+
Start	842	End	1998
Name	OJ990505_01.9924.C8.o1.np	Method	AAT/NAP
Start	842	End	1998
GI	5042463	Score	134
Exons	842..1053, 1712..1858, 1911..1998		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	22190	Seq. ID	OJ990505_01.9924.C9
Gene No.	46267	Strand	+
Start	766	End	2509
Name	OJ990505_01.9924.C9.o1.gs	Method	GENSCAN
Start	766	End	2271
GI	none	Score	.56
Exons	766..1123, 1551..1619, 2112..2212, 2226..2271		

Seq. No.	22190	Seq. ID	OJ990505_01.9924.C9
Gene No.	46267	Strand	+
Start	766	End	2509
Name	OJ990505_01.9924.C9.o1.np	Method	AAT/NAP
Start	1551	End	2509
GI	5295955	Score	109
Exons	1551..1619, 2158..2271, 2493..2509		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22190	Seq. ID	OJ990505_01.9924.C9
Gene No.	46267	Strand	+
Start	766	End	2509
Name	OJ990505_01.9924.C9.o2.np	Method	AAT/NAP
Start	1551	End	2315
GI	4680183	Score	141
Exons	1551..1619, 2224..2315		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22191	Seq. ID	OJ990505_01.9924.C14
Gene No.	46268	Strand	-
Start	60	End	280
Name	OJ990505_01.9924.C14.o1.gp	Method	AAT/GAP
Start	60	End	280
GI	103159_1.R1084	Score	416
Exons	60..280		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-145 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	22191	Seq. ID	OJ990505_01.9924.C14
Gene No.	46269	Strand	-
Start	701	End	1128
Name	OJ990505_01.9924.C14.o1.np	Method	AAT/NAP
Start	343	End	1128
GI	6069670	Score	557
Exons	343..442, 705..826, 952..1128		
GI Descrip.	(AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]		

Seq. No.	22191	Seq. ID	OJ990505_01.9924.C14
Gene No.	46269	Strand	-
Start	701	End	1128
Name	OJ990505_01.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	698	End	1060
GI	none	Score	167
Exons	698..832, 699..818, 699..833, 951..1043, 952..1059, 953..1060		

Seq. No.	22191	Seq. ID	OJ990505_01.9924.C14
Gene No.	46269	Strand	-
Start	701	End	1128
Name	OJ990505_01.9924.C14.o1.gs	Method	GENSCAN
Start	701	End	1005
GI	none	Score	.89
Exons	701..826, 952..1005		

Seq. No.	22192	Seq. ID	OJ990505_01.9924.C16

Gene No.	46270	Strand	-
Start	309	End	395
Name	OJ990505_01.9924.C16.o1.gs	Method	GENSCAN
Start	309	End	395
GI	none	Score	.58
Exons	309..395		

Seq. No.	22193	Seq. ID	OJ990505_01.9924.C17
Gene No.	46271	Strand	+
Start	171	End	306
Name	OJ990505_01.9924.C17.o1.gp	Method	AAT/GAP
Start	171	End	306
GI	none	Score	248
Exons	171..306		

Seq. No.	22194	Seq. ID	OJ990505_01.9924.C20
Gene No.	46272	Strand	-
Start	1	End	668
Name	OJ990505_01.9924.C20.o1.np	Method	AAT/NAP
Start	1	End	668
GI	3201682	Score	319
Exons	1..333, 411..668		
GI Descrip.	(AF060942) extra-large G-protein [Arabidopsis thaliana]		

Seq. No.	22194	Seq. ID	OJ990505_01.9924.C20
Gene No.	46272	Strand	-
Start	1	End	668
Name	OJ990505_01.9924.C20.o1.tc	Method	TBLASTX:Cress
Start	74	End	600
GI	none	Score	94
Exons	74..265, 74..334, 90..296, 421..600		

Seq. No.	22194	Seq. ID	OJ990505_01.9924.C20
Gene No.	46272	Strand	-
Start	1	End	668
Name	OJ990505_01.9924.C20.o1.ts	Method	TBLASTX:Soybean
Start	76	End	564
GI	none	Score	134
Exons	76..222, 81..278, 83..274, 83..340, 90..335, 433..564		

Seq. No.	22194	Seq. ID	OJ990505_01.9924.C20
Gene No.	46272	Strand	-
Start	1	End	668
Name	OJ990505_01.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	81	End	552
GI	none	Score	258
Exons	81..323, 82..327, 83..328, 84..329, 373..552, 399..551, 412..552		

Seq. No.	22194	Seq. ID	OJ990505_01.9924.C20
Gene No.	46272	Strand	-
Start	1	End	668
Name	OJ990505_01.9924.C20.o1.gs	Method	GENSCAN
Start	83	End	588
GI	none	Score	.83
Exons	83..327, 411..588		

Seq. No.	22194	Seq. ID	OJ990505_01.9924.C20

Gene No.	46272	Strand	-
Start	1	End	668
Name	OJ990505_01.9924.C20.o2.gp	Method	AAT/GAP
Start	276	End	594
GI	2309968	Score	380
Exons	276..327, 411..594		
GI Descrip.	3242709 5.0e-18 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]		

Seq. No.	22195	Seq. ID	OJ990505_01.9924.C21
Gene No.	46273	Strand	+
Start	176	End	834
Name	OJ990505_01.9924.C21.o1.np	Method	AAT/NAP
Start	176	End	834
GI	6069670	Score	433
Exons	176..254, 433..539, 664..834		
GI Descrip.	(AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]		

Seq. No.	22195	Seq. ID	OJ990505_01.9924.C21
Gene No.	46273	Strand	+
Start	176	End	834
Name	OJ990505_01.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	199	End	780
GI	none	Score	84
Exons	199..255, 200..256, 432..539, 657..776, 658..780, 674..775,	446..541, 448..558, 448..540, 681..779	

Seq. No.	22195	Seq. ID	OJ990505_01.9924.C21
Gene No.	46273	Strand	+
Start	176	End	834
Name	OJ990505_01.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	431	End	822
GI	none	Score	110
Exons	431..538, 432..539, 676..822,	696..758	

Seq. No.	22196	Seq. ID	OJ990505_01.9924.C22
Gene No.	46274	Strand	-
Start	1	End	734
Name	OJ990505_01.9924.C22.o1.np	Method	AAT/NAP
Start	1	End	734
GI	5051776	Score	104
Exons	1..81, 550..734		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	22196	Seq. ID	OJ990505_01.9924.C22
Gene No.	46274	Strand	-
Start	1	End	734
Name	OJ990505_01.9924.C22.o1.gs	Method	GENSCAN
Start	549	End	677
GI	none	Score	.69
Exons	549..677		

Seq. No.	22197	Seq. ID	OJ990505_01.9924.C24
Gene No.	46275	Strand	+
Start	3739	End	7043

Name	OJ990505_01.9924.C24.o2.np	Method	AAT/NAP
Start	3739	End	7043
GI	6721512	Score	105
Exons	3739..3888, 5650..5762, 7008..7043		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22197	Seq. ID	OJ990505_01.9924.C24
Gene No.	46275	Strand	+
Start	3739	End	7043
Name	OJ990505_01.9924.C24.o3.gs	Method	GENSCAN
Start	5974	End	6854
GI	none	Score	.81
Exons	5974..6620, 6703..6854		

Seq. No.	22197	Seq. ID	OJ990505_01.9924.C24
Gene No.	46275	Strand	+
Start	3739	End	7043
Name	OJ990505_01.9924.C24.o3.np	Method	AAT/NAP
Start	6185	End	7043
GI	4538896	Score	445
Exons	6185..6602, 6712..7043		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	22197	Seq. ID	OJ990505_01.9924.C24
Gene No.	46276	Strand	-
Start	1	End	2472
Name	OJ990505_01.9924.C24.o1.np	Method	AAT/NAP
Start	1	End	2472
GI	5042463	Score	126
Exons	1..20, 830..909, 961..1097, 2256..2472		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	22198	Seq. ID	OJ990505_01.9924.C25
Gene No.	46277	Strand	+
Start	1	End	4342
Name	OJ990505_01.9924.C25.o1.np	Method	AAT/NAP
Start	1	End	742
GI	4538896	Score	453
Exons	1..742		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	22198	Seq. ID	OJ990505_01.9924.C25
Gene No.	46277	Strand	+
Start	1	End	4342
Name	OJ990505_01.9924.C25.o1.gs	Method	GENSCAN
Start	26	End	3118
GI	none	Score	.48
Exons	26..764, 2146..2243, 2957..3118		

Seq. No.	22198	Seq. ID	OJ990505_01.9924.C25
Gene No.	46277	Strand	+
Start	1	End	4342
Name	OJ990505_01.9924.C25.o2.np	Method	AAT/NAP
Start	870	End	4342
GI	6721512	Score	44
Exons	870..926, 2777..3009, 4287..4342		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22198	Seq. ID	OJ990505_01.9924.C25
Gene No.	46277	Strand	+
Start	1	End	4342
Name	OJ990505_01.9924.C25.o3.np	Method	AAT/NAP
Start	3217	End	3312
GI	5922634	Score	65
Exons	3217..3312		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22198	Seq. ID	OJ990505_01.9924.C25
Gene No.	46278	Strand	-
Start	5761	End	8406
Name	OJ990505_01.9924.C25.o2.tm	Method	TBLASTX:Maize
Start	413	End	823
GI	none	Score	238
Exons	413..646, 413..646, 414..794, 417..728, 586..816, 695..823		

Seq. No.	22198	Seq. ID	OJ990505_01.9924.C25
Gene No.	46278	Strand	-
Start	5761	End	8406
Name	OJ990505_01.9924.C25.o2.gs	Method	GENSCAN
Start	5761	End	8406
GI	none	Score	.43
Exons	5761..6878, 7865..8153, 8245..8406		

Seq. No.	22198	Seq. ID	OJ990505_01.9924.C25
Gene No.	46278	Strand	-
Start	5761	End	8406
Name	OJ990505_01.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	5910	End	6415
GI	none	Score	145
Exons	5910..6107, 5911..6114, 5912..6115, 6127..6411, 6134..6415		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46279	Strand	+
Start	329	End	1507
Name	OJ990505_01.9924.C26.o1.gs	Method	GENSCAN
Start	329	End	1507
GI	none	Score	.52
Exons	329..1507		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46280	Strand	-
Start	3033	End	6941
Name	OJ990505_01.9924.C26.o2.gs	Method	GENSCAN
Start	3033	End	6871
GI	none	Score	.72
Exons	3033..3611, 3707..3771, 3901..4022, 4129..4216, 4285..4413, 4595..4906, 4995..6276, 6383..6871		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46280	Strand	-
Start	3033	End	6941
Name	OJ990505_01.9924.C26.o1.np	Method	AAT/NAP

Start	3138	End	6941
GI	2191192	Score	1762
Exons	3138..3646, 3898..3957, 4595..6276, 6410..6941		
GI Descrip.	(AF007271) similar to N. tabacum membrane-associated salt-inducible protein (PID:g473874) [Arabidopsis thaliana]		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o2.tw	Method	TBLASTX:Wheat
Start	290	End	568
GI	none	Score	236
Exons	290..568, 325..531, 389..535		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o4.tm	Method	TBLASTX:Maize
Start	875	End	1342
GI	none	Score	105
Exons	875..997, 893..997, 1010..1177, 1023..1142, 1180..1329, 1190..1342		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o1.tw	Method	TBLASTX:Wheat
Start	1210	End	1495
GI	none	Score	414
Exons	1210..1494, 1211..1495		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o6.tm	Method	TBLASTX:Maize
Start	3300	End	6267
GI	none	Score	203
Exons	3300..3455, 4590..4736, 4599..4733, 5326..5745, 5359..5844, 5647..6267		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o4.ts	Method	TBLASTX:Soybean
Start	3375	End	6267
GI	none	Score	228
Exons	3375..3608, 5326..5739, 5509..6267, 6115..6249		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o5.tm	Method	TBLASTX:Maize
Start	3708	End	4016
GI	none	Score	48
Exons	3708..3731, 3737..3793, 3738..3773, 3881..4015, 3882..4016, 3900..4016		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o3.tm	Method	TBLASTX:Maize
Start	7675	End	7919
GI	none	Score	205
Exons	7675..7752, 7695..7919, 7695..7919		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o1.ts	Method	TBLASTX:Soybean
Start	7683	End	8099
GI	none	Score	122
Exons	7683..7976, 7683..8099, 7795..8076		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o3.gs	Method	GENSCAN
Start	7683	End	13015
GI	none	Score	.7
Exons	7683..8073, 8434..8631, 8952..9124, 9443..9687, 9771..9948, 10379..10561, 10857..10962, 11757..11935, 12022..12867, 12881..13015		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o2.np	Method	AAT/NAP
Start	7701	End	13129
GI	3242709	Score	1488
Exons	7701..8073, 8434..8677, 8968..9124, 9443..9693, 9771..9948, 10379..10561, 10857..10962, 11798..11935, 12022..12543, 13055..13129		
GI Descrip.	(AC003040) putative GTP-binding protein (extra large) [Arabidopsis thaliana]		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o1.tc	Method	TBLASTX:Cress
Start	7764	End	12441
GI	none	Score	70
Exons	7764..7949, 7890..8069, 7941..8057, 7957..8070, 8430..8477, 8514..8639, 8515..8640, 8517..8660, 8978..9127, 9030..9125, 9434..9625, 9434..9694, 9450..9656, 9781..9960, 10373..10477, 10466..10555, 10885..10995, 10897..10968, 11792..11935, 11811..11963, 12016..12342, 12020..12403, 12022..12441		

Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o1.gp	Method	AAT/GAP
Start	7890	End	9564
GI	12417_1.R1084	Score	1248
Exons	7890..8073, 8434..8631, 8952..9124, 9443..9564		

GI Descrip.	'3242709 5.0e-18 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]'		
Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o1.tm	Method	TBLASTX:Maize
Start	7971	End	9912
GI	none	Score	130
Exons	7971..8075, 7972..8073, 8386..8634, 8430..8630, 8433..8639, 8437..8640, 8949..9125, 8951..9127, 8977..9138, 9442..9687, 9443..9688, 9444..9689, 9733..9912, 9759..9911, 9772..9912		
Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o3.ts	Method	TBLASTX:Soybean
Start	9029	End	9924
GI	none	Score	135
Exons	9029..9127, 9436..9582, 9441..9638, 9443..9634, 9443..9700, 9450..9695, 9793..9924		
Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o2.gp	Method	AAT/GAP
Start	9636	End	10563
GI	2309968	Score	693
Exons	9636..9687, 9771..9948, 10379..10563		
GI Descrip.	3242709 5.0e-18 (AC003040) putative guanine nucleotide-binding protein [Arabidopsis thaliana]		
Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o2.ts	Method	TBLASTX:Soybean
Start	12020	End	12388
GI	none	Score	65
Exons	12020..12157, 12022..12351, 12022..12387, 12203..12385, 12242..12388		
Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o2.tm	Method	TBLASTX:Maize
Start	12211	End	12488
GI	none	Score	285
Exons	12211..12486, 12212..12463, 12309..12488		
Seq. No.	22199	Seq. ID	OJ990505_01.9924.C26
Gene No.	46281	Strand	-
Start	7683	End	13129
Name	OJ990505_01.9924.C26.o7.tm	Method	TBLASTX:Maize
Start	12835	End	12988
GI	none	Score	114
Exons	12835..12873, 12858..12950, 12878..12988, 12879..12965		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o2.tm	Method	TBLASTX:Maize
Start	4568	End	5134
GI	none	Score	574
Exons	4568..4891, 4576..5130, 4582..4941, 4586..5134, 4656..5129, 4940..5134		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o1.gp	Method	AAT/GAP
Start	4570	End	6161
GI	13176_2.R1084	Score	1228
Exons	4570..4787, 5642..5919, 5958..6161		
GI Descrip.	'3342802 7.0e-61 (AF061838) putative cytosolic 6-phosphogluconate dehydrogenase [Zea mays]'		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o2.tw	Method	TBLASTX:Wheat
Start	4585	End	4897
GI	none	Score	389
Exons	4585..4896, 4585..4896, 4586..4897		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o1.np	Method	AAT/NAP
Start	4589	End	6042
GI	3342802	Score	2090
Exons	4589..6042		
GI Descrip.	(AF061838) putative cytosolic 6-phosphogluconate dehydrogenase [Zea mays]		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o1.tc	Method	TBLASTX:Cress
Start	4597	End	5110
GI	none	Score	783
Exons	4597..4938, 4598..5110, 4656..5096, 4996..5109		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	4597	End	6036
GI	none	Score	848
Exons	4597..4935, 4598..5134, 4601..5134, 5211..5519, 5212..5556, 5434..5556, 5523..5606, 5524..6036, 5524..5898, 5664..5918, 5958..6023		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+

Start	4570	End	6161
Name	OJ990505_01.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	5212	End	6159
GI	none	Score	1258
Exons	5212..6042, 5213..5581, 5214..5606, 5425..5898, 5658..6038, 5962..6042, 5963..6058, 6103..6159		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o2.tc	Method	TBLASTX:Cress
Start	5345	End	6054
GI	none	Score	103
Exons	5345..5524, 5345..5500, 5349..5519, 5350..5556, 5353..5556, 5523..5606, 5524..5733, 5524..5724, 5658..5729, 5824..5865, 5856..5915, 5857..5913, 5958..6050, 5959..6054, 5962..6051		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o3.tw	Method	TBLASTX:Wheat
Start	5387	End	5523
GI	none	Score	71
Exons	5387..5506, 5387..5503, 5388..5516, 5389..5523		

Seq. No.	22200	Seq. ID	OJ990505_01.9924.C27
Gene No.	46282	Strand	+
Start	4570	End	6161
Name	OJ990505_01.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	5563	End	5970
GI	none	Score	575
Exons	5563..5970, 5575..5898, 5658..5918		

Seq. No.	22201	Seq. ID	OJ990505_01.9924.C28
Gene No.	46283	Strand	-
Start	463	End	593
Name	OJ990505_01.9924.C28.o1.gs	Method	GENSCAN
Start	463	End	593
GI	none	Score	.57
Exons	463..593		

Seq. No.	22202	Seq. ID	OJ990505_01.9924.C29
Gene No.	46284	Strand	
Start	225	End	688
Name	OJ990505_01.9924.C29.o1.tm	Method	TBLASTX:Maize
Start	225	End	688
GI	none	Score	78
Exons	225..293, 327..362, 442..687, 533..688		

Seq. No.	22203	Seq. ID	OJ990505_01.9924.C31
Gene No.	46285	Strand	-
Start	137	End	350
Name	OJ990505_01.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	93	End	342
GI	none	Score	62
Exons	93..143, 94..141, 216..341, 232..342		

Seq. No.	22203	Seq. ID	OJ990505_01.9924.C31
Gene No.	46285	Strand	-
Start	137	End	350
Name	OJ990505_01.9924.C31.o1.gs	Method	GENSCAN
Start	137	End	350
GI	none	Score	.99
Exons	137..350		

Seq. No.	22204	Seq. ID	OJ990505_01.9924.C34
Gene No.	46286	Strand	-
Start	1	End	245
Name	OJ990505_01.9924.C34.o1.np	Method	AAT/NAP
Start	1	End	245
GI	6069670	Score	166
Exons	1..176, 212..245		
GI Descrip.	(AP000616) ESTs C73538(E4487),AU078663(E4437) correspond to a region of the predicted gene.; similar to DWARF3 (U32579) [Oryza sativa]		

Seq. No.	22204	Seq. ID	OJ990505_01.9924.C34
Gene No.	46286	Strand	-
Start	1	End	245
Name	OJ990505_01.9924.C34.o1.gs	Method	GENSCAN
Start	70	End	123
GI	none	Score	.48
Exons	70..123		

Seq. No.	22205	Seq. ID	OJ990505_01.9924.C36
Gene No.	46287	Strand	-
Start	1	End	556
Name	OJ990505_01.9924.C36.o1.np	Method	AAT/NAP
Start	1	End	556
GI	6721512	Score	56
Exons	1..23, 428..556		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22206	Seq. ID	OJ990415_08.9922.C2
Gene No.	46288	Strand	+
Start	367	End	440
Name	OJ990415_08.9922.C2.o1.gs	Method	GENSCAN
Start	367	End	440
GI	none	Score	.76
Exons	367..440		

Seq. No.	22206	Seq. ID	OJ990415_08.9922.C2
Gene No.	46289	Strand	+
Start	1015	End	3590
Name	OJ990415_08.9922.C2.o2.gs	Method	GENSCAN
Start	1015	End	3590
GI	none	Score	.55
Exons	1015..1148, 1268..1377, 2254..2324, 3205..3325, 3423..3590		

Seq. No.	22207	Seq. ID	OJ990415_08.9922.C3
Gene No.	46290	Strand	+
Start	540	End	1100
Name	OJ990415_08.9922.C3.o1.gs	Method	GENSCAN
Start	540	End	1100

GI	none	Score	.6
Exons	540..722, 742..1100		

Seq. No.	22208	Seq. ID	OJ990415_08.9922.C4
Gene No.	46291	Strand	+
Start	67	End	1164
Name	OJ990415_08.9922.C4.o1.gs	Method	GENSCAN
Start	67	End	1164
GI	none	Score	.81
Exons	67..295, 302..469, 822..882, 1047..1164		

Seq. No.	22208	Seq. ID	OJ990415_08.9922.C4
Gene No.	46292	Strand	-
Start	1429	End	3203
Name	OJ990415_08.9922.C4.o2.gs	Method	GENSCAN
Start	1429	End	3203
GI	none	Score	.72
Exons	1429..1496, 1501..1692, 1916..1991, 2340..2489, 3150..3203		

Seq. No.	22209	Seq. ID	OJ990415_08.9922.C5
Gene No.	46293	Strand	-
Start	952	End	1039
Name	OJ990415_08.9922.C5.o1.gs	Method	GENSCAN
Start	952	End	1039
GI	none	Score	.43
Exons	952..1039		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46294	Strand	+
Start	757	End	1362
Name	OJ990415_08.9922.C6.o1.gs	Method	GENSCAN
Start	757	End	1362
GI	none	Score	.51
Exons	757..968, 1329..1362		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46295	Strand	-
Start	1093	End	3383
Name	OJ990415_08.9922.C6.o1.gp	Method	AAT/GAP
Start	1093	End	3383
GI	none	Score	849
Exons	1093..1501, 3313..3383		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-
Start	3305	End	4887
Name	OJ990415_08.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	981	End	1371
GI	none	Score	34
Exons	981..1016, 981..1019, 1096..1155, 1097..1156, 1101..1160, 1108..1167, 1110..1169, 1119..1223, 1162..1179, 1174..1242, 1176..1211, 1178..1246, 1207..1248, 1211..1258, 1212..1259, 1213..1260, 1276..1317, 1278..1316, 1288..1317, 1334..1369, 1335..1370, 1335..1370, 1336..1371		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-

Start	3305	End	4887
Name	OJ990415_08.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	1110	End	4887
GI	none	Score	53
Exons	1110..1145, 1119..1142, 1137..1178, 1138..1179, 1144..1179, 1172..1213, 1174..1212, 1176..1217, 1211..1255, 1212..1259, 1213..1260, 1250..1363, 1251..1361, 1288..1362, 1343..1438, 1346..1438, 1360..1443, 1360..1440, 1435..1503, 1445..1504, 1464..1544, 3275..3592, 3313..3591, 3587..3706, 3592..3714, 3701..4408, 3704..3808, 3705..4427, 3709..4428, 3760..4434, 4163..4213, 4199..4465, 4256..4399, 4266..4400, 4433..4495, 4454..4495, 4630..4875, 4630..4872, 4669..4836, 4703..4831, 4864..4887		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-
Start	3305	End	4887
Name	OJ990415_08.9922.C6.o2.gs	Method	GENSCAN
Start	3305	End	4854
GI	none	Score	.73
Exons	3305..4495, 4633..4854		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-
Start	3305	End	4887
Name	OJ990415_08.9922.C6.o1.np	Method	AAT/NAP
Start	3308	End	4854
GI	6648193	Score	1086
Exons	3308..4495, 4633..4854		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-
Start	3305	End	4887
Name	OJ990415_08.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	3443	End	4848
GI	none	Score	284
Exons	3443..3547, 3570..3602, 3929..4027, 4124..4408, 4125..4418, 4283..4399, 4454..4495, 4473..4496, 4630..4848, 4631..4831, 4636..4848, 4693..4848		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-
Start	3305	End	4887
Name	OJ990415_08.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	3534	End	4860
GI	none	Score	35
Exons	3534..3587, 3630..3656, 3704..3925, 3766..3873, 3899..3973, 3900..3956, 3953..3973, 3977..4144, 4023..4142, 4145..4408, 4149..4424, 4226..4399, 4460..4495, 4460..4495, 4630..4860, 4631..4831, 4636..4860, 4666..4836, 4703..4831		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-
Start	3305	End	4887
Name	OJ990415_08.9922.C6.o2.gp	Method	AAT/GAP
Start	3935	End	4369

GI	uC-osflcyp005f12b1	Score	870
Exons	3935..4369		
GI Descrip.	'4938503/emb|CAB43861.1| 3.0e-39 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	22210	Seq. ID	OJ990415_08.9922.C6
Gene No.	46296	Strand	-
Start	3305	End	4887
Name	OJ990415_08.9922.C6.o3.gp	Method	AAT/GAP
Start	4418	End	4879
GI	7691_1.R1084	Score	555
Exons	4418..4495, 4633..4879		
GI Descrip.	'4938503/emb|CAB43861.1| 8.0e-27 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	22211	Seq. ID	OJ990415_08.9922.C7
Gene No.	46297	Strand	-
Start	1	End	86
Name	OJ990415_08.9922.C7.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	none	Score	172
Exons	1..86		

Seq. No.	22211	Seq. ID	OJ990415_08.9922.C7
Gene No.	46298	Strand	-
Start	1174	End	1281
Name	OJ990415_08.9922.C7.o1.np	Method	AAT/NAP
Start	1174	End	1281
GI	6721547	Score	99
Exons	1174..1281		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	22211	Seq. ID	OJ990415_08.9922.C7
Gene No.	46299	Strand	-
Start	3572	End	7309
Name	OJ990415_08.9922.C7.o2.gs	Method	GENSCAN
Start	3572	End	7309
GI	none	Score	.7
Exons	3572..3771, 5080..5160, 6817..6873, 7262..7309		

Seq. No.	22212	Seq. ID	OJ990415_08.9922.C8
Gene No.	46300	Strand	+
Start	710	End	3694
Name	OJ990415_08.9922.C8.o1.np	Method	AAT/NAP
Start	710	End	3694
GI	81286	Score	153
Exons	710..1276, 3462..3694		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	22212	Seq. ID	OJ990415_08.9922.C8
Gene No.	46301	Strand	+
Start	3793	End	4551
Name	OJ990415_08.9922.C8.o2.gs	Method	GENSCAN
Start	3793	End	4551
GI	none	Score	.99
Exons	3793..3859, 3944..4551		

Seq. No.	22212	Seq. ID	OJ990415_08.9922.C8
Gene No.	46302	Strand	-
Start	772	End	2950
Name	OJ990415_08.9922.C8.o1.gs	Method	GENSCAN
Start	772	End	2950
GI	none	Score	.96
Exons	772..1274, 2902..2950		

Seq. No.	22213	Seq. ID	OJ990415_08.9922.C9
Gene No.	46303	Strand	+
Start	1	End	1893
Name	OJ990415_08.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	1893
GI	4056454	Score	78
Exons	1..194, 769..939, 1800..1893		
GI Descrip.	(AC005990) Contains repeated region with similarity to gb|U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb|Z34165 and gb|Z18788 come from this gene. [Arabidopsis thaliana]		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46304	Strand	+
Start	6767	End	8183
Name	OJ990415_08.9922.C10.o2.gs	Method	GENSCAN
Start	6767	End	8183
GI	none	Score	.47
Exons	6767..6856, 6962..7072, 7965..8183		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46305	Strand	-
Start	600	End	4534
Name	OJ990415_08.9922.C10.o1.gs	Method	GENSCAN
Start	600	End	4534
GI	none	Score	.83
Exons	600..1238, 1339..2511, 2606..2675, 2764..2907, 3525..3672, 4366..4534		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212
Name	OJ990415_08.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	1062	End	1488
GI	none	Score	107
Exons	1062..1235, 1345..1488		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212
Name	OJ990415_08.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	1092	End	1491
GI	none	Score	134
Exons	1092..1244, 1093..1239, 1342..1491		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212

Name	OJ990415_08.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	2272	End	2841
GI	none	Score	47
Exons	2272..2313, 2272..2313, 2309..2431, 2317..2448, 2458..2514, 2474..2512, 2606..2689, 2606..2668, 2749..2823, 2763..2840, 2767..2841		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212
Name	OJ990415_08.9922.C10.o3.np	Method	AAT/NAP
Start	7070	End	9212
GI	4678362	Score	318
Exons	7070..7116, 8001..8089, 8750..9212		
GI Descrip.	(AL049659) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212
Name	OJ990415_08.9922.C10.o3.gs	Method	GENSCAN
Start	8736	End	9131
GI	none	Score	1
Exons	8736..9131		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212
Name	OJ990415_08.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	8757	End	9129
GI	none	Score	175
Exons	8757..9128, 8872..9129		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212
Name	OJ990415_08.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	8757	End	9128
GI	none	Score	302
Exons	8757..9128, 8776..9126		

Seq. No.	22214	Seq. ID	OJ990415_08.9922.C10
Gene No.	46306	Strand	-
Start	7070	End	9212
Name	OJ990415_08.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	8757	End	9126
GI	none	Score	466
Exons	8757..9125, 8773..9126		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46307	Strand	+
Start	5347	End	6566
Name	OJ990415_08.9922.C11.o3.gs	Method	GENSCAN
Start	5347	End	6566
GI	none	Score	.97
Exons	5347..5692, 6358..6566		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11

Gene No.	46308	Strand	+
Start	18878	End	24296
Name	OJ990415_08.9922.C11.o7.gs	Method	GENSCAN
Start	18878	End	24296
GI	none	Score	.63
Exons	18878..18931, 19275..19538, 20599..20772, 21777..22320, 22922..23087, 23174..23332, 23729..24296		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46308	Strand	+
Start	18878	End	24296
Name	OJ990415_08.9922.C11.o5.np	Method	AAT/NAP
Start	19312	End	24293
GI	4938502	Score	843
Exons	19312..19581, 20599..20745, 21804..22320, 22922..23087, 23174..23332, 23729..23894, 23988..24293		
GI Descrip.	(AL078465) putative protein [Arabidopsis thaliana]		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46308	Strand	+
Start	18878	End	24296
Name	OJ990415_08.9922.C11.o3.gp	Method	AAT/GAP
Start	19444	End	22053
GI	none	Score	1003
Exons	19444..19538, 20599..20773, 21777..22053		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46309	Strand	+
Start	24334	End	24623
Name	OJ990415_08.9922.C11.o4.gp	Method	AAT/GAP
Start	24334	End	24623
GI	3107123	Score	458
Exons	24334..24623		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46310	Strand	-
Start	1	End	917
Name	OJ990415_08.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	818
GI	4678362	Score	434
Exons	1..93, 320..818		
GI Descrip.	(AL049659) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46310	Strand	-
Start	1	End	917
Name	OJ990415_08.9922.C11.o1.gs	Method	GENSCAN
Start	324	End	917
GI	none	Score	.45
Exons	324..917		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46311	Strand	-
Start	1178	End	2070
Name	OJ990415_08.9922.C11.o2.gs	Method	GENSCAN
Start	1178	End	2070
GI	none	Score	.92

Exons 1178..1324, 2005..2070

Seq. No. 22215 Seq. ID OJ990415_08.9922.C11
Gene No. 46312 Strand -
Start 2481 End 5894
Name OJ990415_08.9922.C11.o1.gp Method AAT/GAP
Start 2481 End 3159
GI none Score 1298
Exons 2481..3159

Seq. No. 22215 Seq. ID OJ990415_08.9922.C11
Gene No. 46312 Strand -
Start 2481 End 5894
Name OJ990415_08.9922.C11.o2.np Method AAT/NAP
Start 2633 End 5894
GI 3094014 Score 210
Exons 2633..2723, 4090..4198, 5321..5424, 5838..5894
GI Descrip. (AF060862) unknown [Homo sapiens]

Seq. No. 22215 Seq. ID OJ990415_08.9922.C11
Gene No. 46312 Strand -
Start 2481 End 5894
Name OJ990415_08.9922.C11.o2.gp Method AAT/GAP
Start 3750 End 4211
GI none Score 885
Exons 3750..4211

Seq. No. 22215 Seq. ID OJ990415_08.9922.C11
Gene No. 46313 Strand -
Start 9918 End 14513
Name OJ990415_08.9922.C11.o3.np Method AAT/NAP
Start 9918 End 13564
GI 6539581 Score 471
Exons 9918..9970, 12265..13288, 13361..13564
GI Descrip. (AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]

Seq. No. 22215 Seq. ID OJ990415_08.9922.C11
Gene No. 46313 Strand -
Start 9918 End 14513
Name OJ990415_08.9922.C11.o4.np Method AAT/NAP
Start 9977 End 13201
GI 6862929 Score 283
Exons 9977..10088, 12260..12967, 13010..13201
GI Descrip. (AC018907) unknown protein [Arabidopsis thaliana]

Seq. No. 22215 Seq. ID OJ990415_08.9922.C11
Gene No. 46313 Strand -
Start 9918 End 14513
Name OJ990415_08.9922.C11.o5.gs Method GENSCAN
Start 12223 End 14513
GI none Score .66
Exons 12223..12967, 13045..13319, 13419..13499, 13738..13994, 14396..14513

Seq. No. 22215 Seq. ID OJ990415_08.9922.C11
Gene No. 46314 Strand -

Start	25098	End	26908
Name	OJ990415_08.9922.C11.o8.gs	Method	GENSCAN
Start	25098	End	26732
GI	none	Score	.82
Exons	25098..26732		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46314	Strand	-
Start	25098	End	26908
Name	OJ990415_08.9922.C11.o6.np	Method	AAT/NAP
Start	25101	End	26346
GI	4585920	Score	1205
Exons	25101..26346		
GI Descrip.	(AC007211) putative SCARECROW gene regulator [Arabidopsis thaliana] gi|6644392|gb|AAF21044.1|AF210732_1 (AF210732) scarecrow-like 21 [Arabidopsis thaliana]		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46314	Strand	-
Start	25098	End	26908
Name	OJ990415_08.9922.C11.o5.gp	Method	AAT/GAP
Start	26329	End	26908
GI	none	Score	992
Exons	26329..26908		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	322	End	773
GI	none	Score	166
Exons	322..570, 327..635, 639..773, 682..771		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	322	End	773
GI	none	Score	166
Exons	322..570, 327..635, 639..773, 682..771		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o4.tc	Method	TBLASTX:Cress
Start	348	End	638
GI	none	Score	100
Exons	348..638, 361..549		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o4.ts	Method	TBLASTX:Soybean
Start	12229	End	12648
GI	none	Score	103
Exons	12229..12648, 12359..12604		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	12325	End	12705
GI	none	Score	154
Exons	12325..12618, 12325..12705		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o7.tm	Method	TBLASTX:Maize
Start	19166	End	20701
GI	none	Score	39
Exons	19166..19189, 19166..19201, 19284..19373, 19285..19326, 19286..19381, 19287..19382, 19361..19534, 19419..19553, 19439..19525, 20597..20677, 20598..20675, 20598..20678, 20599..20676, 20672..20701		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o8.tm	Method	TBLASTX:Maize
Start	20706	End	22341
GI	none	Score	88
Exons	20706..20756, 20710..20772, 21763..22053, 21773..22057, 21777..22061, 21806..22060, 22239..22310, 22239..22310, 22240..22341, 22241..22318		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	21918	End	23786
GI	none	Score	305
Exons	21918..22190, 21919..22194, 21920..22195, 21920..22216, 21921..22217, 22197..22226, 23270..23329, 23271..23333, 23727..23786		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	22046	End	23846
GI	none	Score	359
Exons	22046..22216, 22047..22283, 22062..22265, 23247..23333, 23249..23332, 23727..23786, 23769..23846		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o3.tc	Method	TBLASTX:Cress
Start	22056	End	23864
GI	none	Score	83
Exons	22056..22232, 22057..22164, 22059..22253, 23270..23332, 23271..23333, 23727..23786, 23817..23864		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	22061	End	24324
GI	none	Score	160
Exons	22061..22174, 22062..22181, 22161..22238, 22936..23043, 22952..23068, 23171..23332, 23172..23333, 23172..23333, 23692..23952, 23727..24317, 23729..24316, 23870..24322, 23974..24324		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	25089	End	25667
GI	none	Score	143
Exons	25089..25667, 25210..25362, 25450..25641		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o6.tm	Method	TBLASTX:Maize
Start	25092	End	25280
GI	none	Score	234
Exons	25092..25280, 25098..25280		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	25095	End	26400
GI	none	Score	143
Exons	25095..26222, 25225..25362, 25395..25700, 25456..26223, 26299..26400		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o3.tw	Method	TBLASTX:Wheat
Start	25188	End	25370
GI	none	Score	168
Exons	25188..25355, 25188..25370, 25210..25362		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	25281	End	26216
GI	none	Score	92
Exons	25281..26216, 25428..25628, 25450..25638, 25873..26211		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	25437	End	25838

GI	none	Score	171
Exons	25437..25838, 25462..25644, 25756..25821		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o2.tc	Method	TBLASTX:Cress
Start	25815	End	26216
GI	none	Score	190
Exons	25815..26012, 25815..26021, 25816..26019, 26022..26216, 26026..26148, 26073..26201		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	26219	End	26745
GI	none	Score	80
Exons	26219..26302, 26220..26306, 26221..26307, 26304..26372, 26305..26373, 26373..26423, 26400..26561, 26401..26559, 26590..26742, 26592..26738, 26629..26745		

Seq. No.	22215	Seq. ID	OJ990415_08.9922.C11
Gene No.	46315	Strand	-
Start	27466	End	27736
Name	OJ990415_08.9922.C11.o9.gs	Method	GENSCAN
Start	27466	End	27736
GI	none	Score	.9
Exons	27466..27471, 27476..27736		

Seq. No.	22216	Seq. ID	OJ990415_08.9922.C12
Gene No.	46316	Strand	+
Start	82	End	177
Name	OJ990415_08.9922.C12.o1.gs	Method	GENSCAN
Start	82	End	177
GI	none	Score	.83
Exons	82..177		

Seq. No.	22216	Seq. ID	OJ990415_08.9922.C12
Gene No.	46317	Strand	-
Start	772	End	859
Name	OJ990415_08.9922.C12.o1.gp	Method	AAT/GAP
Start	772	End	859
GI	5867_1.R1084	Score	117
Exons	772..859		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	22217	Seq. ID	OJ990415_08.9922.C14
Gene No.	46318	Strand	+
Start	156	End	7145
Name	OJ990415_08.9922.C14.o1.gs	Method	GENSCAN

Start	156	End	7145
GI	none	Score	.67
Exons	156..205, 232..321, 1058..1235, 1814..2240, 2554..2664, 3166..3206, 3240..3539, 3630..3847, 3975..4068, 4090..4163, 5175..5480, 5609..5753, 6571..6632, 6825..6904, 7029..7145		

Seq. No.	22217	Seq. ID	OJ990415_08.9922.C14
Gene No.	46318	Strand	+
Start	156	End	7145
Name	OJ990415_08.9922.C14.o1.np	Method	AAT/NAP
Start	4015	End	5575
GI	4755187	Score	49
Exons	4015..4163, 5551..5575		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22218	Seq. ID	OJ990415_08.9922.C15
Gene No.	46319	Strand	+
Start	532	End	1638
Name	OJ990415_08.9922.C15.o1.gs	Method	GENSCAN
Start	532	End	1638
GI	none	Score	.45
Exons	532..614, 1377..1638		

Seq. No.	22219	Seq. ID	OJ990415_08.9922.C16
Gene No.	46320	Strand	-
Start	454	End	1123
Name	OJ990415_08.9922.C16.o1.gs	Method	GENSCAN
Start	454	End	1123
GI	none	Score	.45
Exons	454..485, 600..709, 1022..1123		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46321	Strand	+
Start	2203	End	2609
Name	OJ990415_08.9922.C17.o1.gs	Method	GENSCAN
Start	2203	End	2609
GI	none	Score	.45
Exons	2203..2257, 2572..2609		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46322	Strand	+
Start	4439	End	7971
Name	OJ990415_08.9922.C17.o1.np	Method	AAT/NAP
Start	4117	End	6780
GI	4755187	Score	329
Exons	4117..4175, 5894..6238, 6337..6513, 6607..6780		
GI Descrip.	(AC007018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46322	Strand	+
Start	4439	End	7971
Name	OJ990415_08.9922.C17.o2.gs	Method	GENSCAN
Start	4439	End	7971
GI	none	Score	.61
Exons	4439..4446, 5498..5617, 5939..6126, 6339..6540, 6607..6780, 7612..7694, 7804..7870, 7950..7971		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46323	Strand	+
Start	26617	End	27120
Name	OJ990415_08.9922.C17.o4.np	Method	AAT/NAP
Start	26617	End	27120
GI	6721512	Score	210
Exons	26617..26731, 26759..26893, 26933..26969, 27082..27120		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46324	Strand	-
Start	9600	End	12667
Name	OJ990415_08.9922.C17.o1.gp	Method	AAT/GAP
Start	9211	End	10315
GI	none	Score	1716
Exons	9211..9690, 9786..10165, 10284..10315		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46324	Strand	-
Start	9600	End	12667
Name	OJ990415_08.9922.C17.o3.gs	Method	GENSCAN
Start	9600	End	12667
GI	none	Score	.58
Exons	9600..9690, 9939..10165, 10305..10599, 10789..10973, 12404..12667		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o4.ts	Method	TBLASTX:Soybean
Start	5928	End	6778
GI	none	Score	79
Exons	5928..6047, 6442..6513, 6443..6511, 6604..6768, 6604..6768, 6611..6778, 6620..6775		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o3.tm	Method	TBLASTX:Maize
Start	6439	End	6778
GI	none	Score	86
Exons	6439..6513, 6440..6511, 6611..6778, 6613..6768, 6620..6769		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o1.tc	Method	TBLASTX:Cress
Start	6447	End	6778
GI	none	Score	83
Exons	6447..6518, 6449..6511, 6611..6778, 6613..6768		

Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	9849	End	10157
GI	none	Score	324

Exons	9849..10157, 9854..10156		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o2.ts	Method	TBLASTX:Soybean
Start	10293	End	10814
GI	none	Score	117
Exons	10293..10442, 10570..10698, 10572..10700, 10592..10699, 10594..10728, 10695..10805, 10695..10814		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o3.np	Method	AAT/NAP
Start	18785	End	27490
GI	5922631	Score	1324
Exons	18785..19491, 23424..24338, 24471..24614, 24657..25071, 27322..27490		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o5.tw	Method	TBLASTX:Wheat
Start	18798	End	19102
GI	none	Score	68
Exons	18798..19001, 19013..19102		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o3.ts	Method	TBLASTX:Soybean
Start	19093	End	19455
GI	none	Score	38
Exons	19093..19455, 19184..19219, 19256..19429		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	19103	End	19509
GI	none	Score	242
Exons	19103..19495, 19103..19474, 19105..19509		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o2.tm	Method	TBLASTX:Maize
Start	19183	End	19539
GI	none	Score	128

Exons	19183..19539, 19223..19495, 19483..19530		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	19594	End	19912
GI	none	Score	205
Exons	19594..19908, 19604..19912		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o2.tw	Method	TBLASTX:Wheat
Start	19624	End	20033
GI	none	Score	211
Exons	19624..19908, 19625..19885, 19910..20032, 19911..20033		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o3.tw	Method	TBLASTX:Wheat
Start	20867	End	24053
GI	none	Score	60
Exons	20867..20959, 23316..23429, 23361..23450, 23362..23451, 23598..23834, 23608..23832, 23871..24053, 23872..24042		
Seq. No.	22220	Seq. ID	OJ990415_08.9922.C17
Gene No.	46325	Strand	-
Start	18785	End	27490
Name	OJ990415_08.9922.C17.o4.tw	Method	TBLASTX:Wheat
Start	24687	End	25034
GI	none	Score	75
Exons	24687..24932, 24742..24915, 24921..25034, 24958..25011		
Seq. No.	22221	Seq. ID	OJ990415_08.9922.C18
Gene No.	46326	Strand	+
Start	39	End	3103
Name	OJ990415_08.9922.C18.o1.gs	Method	GENSCAN
Start	39	End	2911
GI	none	Score	.55
Exons	39..73, 319..427, 1980..2133, 2865..2911		
Seq. No.	22221	Seq. ID	OJ990415_08.9922.C18
Gene No.	46326	Strand	+
Start	39	End	3103
Name	OJ990415_08.9922.C18.o1.gp	Method	AAT/GAP
Start	313	End	3103
GI	28754_1.R1084	Score	922
Exons	313..427, 1980..2133, 2865..3103		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		
Seq. No.	22221	Seq. ID	OJ990415_08.9922.C18
Gene No.	46326	Strand	+
Start	39	End	3103
Name	OJ990415_08.9922.C18.o1.np	Method	AAT/NAP
Start	1977	End	2908

GI	3935169	Score	209
Exons	1977..2133, 2865..2908		
GI Descrip.	(AC004557) F17L21.12 [Arabidopsis thaliana]		

Seq. No.	22221	Seq. ID	OJ990415_08.9922.C18
Gene No.	46326	Strand	+
Start	39	End	3103
Name	OJ990415_08.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	1979	End	2142
GI	none	Score	180
Exons	1979..2134, 1979..2131, 1980..2132, 1981..2142		

Seq. No.	22222	Seq. ID	OJ990505_02.9924.C1
Gene No.	46327	Strand	+
Start	422	End	747
Name	OJ990505_02.9924.C1.o1.gp	Method	AAT/GAP
Start	422	End	747
GI	none	Score	627
Exons	422..747		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46328	Strand	+
Start	77	End	5041
Name	OJ990505_02.9924.C2.o1.gp	Method	AAT/GAP
Start	77	End	5041
GI	2170_1.R1084	Score	1567
Exons	77..124, 3656..3745, 3864..3952, 4425..5041		
GI Descrip.	'136640/sp|P25866|UBC2_WHEAT 9.0e-86 UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) >gi_170785 (M62720) ubiquitin carrier protein [Triticum aestivum]'		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46328	Strand	+
Start	77	End	5041
Name	OJ990505_02.9924.C2.o1.np	Method	AAT/NAP
Start	98	End	4550
GI	136640	Score	466
Exons	98..124, 3656..3745, 3864..3952, 4425..4550		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) gi|170785 (M62720) ubiquitin carrier protein [Triticum aestivum]		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	100	End	4622
GI	none	Score	60
Exons	100..126, 3634..3744, 3645..3743, 3653..3745, 3655..3744, 3856..3948, 3860..3952, 3865..3948, 4419..4622, 4422..4553, 4424..4564		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o3.ts	Method	TBLASTX:Soybean

Start	100	End	4559
GI	none	Score	60
Exons	100..126, 4419..4556, 4424..4555, 4428..4559		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o2.tc	Method	TBLASTX:Cress
Start	3634	End	4541
GI	none	Score	88
Exons	3634..3744, 3654..3743, 3655..3744, 3662..3757, 3711..3746, 3860..3952, 3863..3931, 3865..3948, 4419..4541, 4424..4537		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o2.ts	Method	TBLASTX:Soybean
Start	3637	End	3962
GI	none	Score	93
Exons	3637..3756, 3654..3743, 3655..3747, 3711..3767, 3845..3955, 3847..3960, 3861..3962, 3862..3960		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o5.tm	Method	TBLASTX:Maize
Start	3651	End	4621
GI	none	Score	103
Exons	3651..3743, 3652..3744, 3652..3744, 3711..3746, 3860..3952, 3868..3948, 4419..4568, 4422..4565, 4423..4575, 4424..4621		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o2.gs	Method	GENSCAN
Start	4801	End	8719
GI	none	Score	.61
Exons	4801..5008, 5487..5779, 5894..6005, 6112..6173, 6233..6441, 6551..6791, 7108..7241, 7360..8719		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o2.np	Method	AAT/NAP
Start	5440	End	9219
GI	6006864	Score	1702
Exons	5440..5779, 5897..6021, 6212..6441, 6551..6791, 7108..7241, 7360..8676, 9174..9219		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o3.tm	Method	TBLASTX:Maize
Start	5529	End	6310
GI	none	Score	169
Exons	5529..5711, 5529..5735, 5530..5775, 5531..5773, 5567..5779,		

5891..6007, 5892..6008, 5896..6012, 6112..6153, 6233..6310,
6234..6308, 6242..6310

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o3.tc	Method	TBLASTX:Cress
Start	5576	End	5992
GI	none	Score	102
Exons	5576..5782, 5598..5705, 5897..5992		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o4.ts	Method	TBLASTX:Soybean
Start	6242	End	6794
GI	none	Score	104
Exons	6242..6439, 6555..6611, 6636..6794		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o4.tc	Method	TBLASTX:Cress
Start	6308	End	7242
GI	none	Score	102
Exons	6308..6442, 6552..6626, 6636..6791, 7117..7242		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	6311	End	7411
GI	none	Score	90
Exons	6311..6394, 6311..6442, 6315..6440, 6316..6495, 6549..6596, 6552..6596, 6553..6597, 6597..6794, 6601..6792, 6602..6805, 6641..6802, 7103..7237, 7105..7245, 7105..7239, 7352..7411, 7360..7395		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o4.tm	Method	TBLASTX:Maize
Start	7583	End	7909
GI	none	Score	81
Exons	7583..7681, 7584..7646, 7698..7904, 7700..7909, 7703..7903		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	7706	End	8368
GI	none	Score	61
Exons	7706..8224, 7710..7907, 7959..8018, 8207..8368		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219

Name	OJ990505_02.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	7790	End	8212
GI	none	Score	55
Exons	7790..7927, 7791..7874, 7916..8212, 7944..8210		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	7934	End	8570
GI	none	Score	280
Exons	7934..8467, 7935..8273, 8316..8480, 8447..8551, 8451..8552, 8529..8570		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o2.gp	Method	AAT/GAP
Start	8241	End	8727
GI	uC-osroM202018d10b1	Score	958
Exons	8241..8727		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-21 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	22223	Seq. ID	OJ990505_02.9924.C2
Gene No.	46329	Strand	-
Start	4801	End	9219
Name	OJ990505_02.9924.C2.o3.gp	Method	AAT/GAP
Start	8917	End	9172
GI	568697	Score	224
Exons	8917..8987, 9100..9172		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46330	Strand	+
Start	7766	End	11690
Name	OJ990505_02.9924.C3.o1.gp	Method	AAT/GAP
Start	7766	End	9899
GI	51993_1.R1084	Score	905
Exons	7766..7893, 8935..9175, 9789..9899		
GI Descrip.	'3157951 6.0e-29 (AC002131) Contains similarity to vesicle trafficking protein gb_U91538 from Mus musculus. ESTs gb_F15494 and gb_F14097 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46330	Strand	+
Start	7766	End	11690
Name	OJ990505_02.9924.C3.o3.gs	Method	GENSCAN
Start	8092	End	10663
GI	none	Score	.74
Exons	8092..8109, 8213..8422, 8762..8861, 8935..9190, 9789..9949, 10033..10179, 10647..10663		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46330	Strand	+
Start	7766	End	11690
Name	OJ990505_02.9924.C3.o2.np	Method	AAT/NAP
Start	8988	End	11328

GI	3157951	Score	874
Exons	8988..9175, 9647..9949, 10033..10179, 10531..10607, 11248..11328		
GI Descrip.	(AC002131) Contains similarity to vesicle trafficking protein gb|U91538 from Mus musculus. ESTs gb|F15494 and gb|F14097 come from this gene. [Arabidopsis thaliana]		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46330	Strand	+
Start	7766	End	11690
Name	OJ990505_02.9924.C3.o2.gp	Method	AAT/GAP
Start	10069	End	10649
GI	2796671	Score	319
Exons	10069..10179, 10531..10649		
GI Descrip.	3157951 6.0e-29 (AC002131) Contains similarity to vesicle trafficking protein gb_U91538 from Mus musculus. ESTs gb_F15494 and gb_F14097 come from this gene. [Arabidopsis thaliana]		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46330	Strand	+
Start	7766	End	11690
Name	OJ990505_02.9924.C3.o3.gp	Method	AAT/GAP
Start	11226	End	11690
GI	none	Score	806
Exons	11226..11690		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46331	Strand	-
Start	233	End	3114
Name	OJ990505_02.9924.C3.o1.gs	Method	GENSCAN
Start	233	End	3114
GI	none	Score	.53
Exons	233..544, 1903..2027, 2379..2514, 2791..3114		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46332	Strand	-
Start	4808	End	7325
Name	OJ990505_02.9924.C3.o2.gs	Method	GENSCAN
Start	4808	End	7325
GI	none	Score	.53
Exons	4808..4999, 5169..5275, 5908..6005, 6603..6784, 7179..7325		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46332	Strand	-
Start	4808	End	7325
Name	OJ990505_02.9924.C3.o1.np	Method	AAT/NAP
Start	5168	End	6655
GI	5852093	Score	77
Exons	5168..5275, 6567..6655		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46333	Strand	-
Start	12176	End	12665
Name	OJ990505_02.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	5824	End	6413
GI	none	Score	72
Exons	5824..5925, 5937..6185, 5951..6055, 5955..6143, 6261..6413		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46333	Strand	-
Start	12176	End	12665
Name	OJ990505_02.9924.C3.o1.tc	Method	TBLASTX:Cress
Start	8952	End	10181
GI	none	Score	272
Exons	8952..9062, 8985..9179, 9083..9163, 9785..9865, 9789..9866, 9790..9867, 9877..9897, 9901..9963, 9907..9948, 10012..10179, 10014..10181, 10014..10172, 10036..10179		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46333	Strand	-
Start	12176	End	12665
Name	OJ990505_02.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	8973	End	10613
GI	none	Score	325
Exons	8973..9179, 8973..9062, 8974..9186, 8974..9168, 9123..9179, 9785..9952, 9789..9956, 9789..9956, 9790..9963, 10014..10181, 10014..10178, 10021..10203, 10036..10179, 10517..10603, 10524..10613, 10530..10607, 10531..10608		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46333	Strand	-
Start	12176	End	12665
Name	OJ990505_02.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	8979	End	9179
GI	none	Score	289
Exons	8979..9179, 8987..9175		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46333	Strand	-
Start	12176	End	12665
Name	OJ990505_02.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	9789	End	11331
GI	none	Score	93
Exons	9789..9959, 9789..9956, 9790..9963, 9811..9957, 10012..10173, 10014..10181, 10014..10172, 10524..10613, 11223..11330, 11245..11331		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46333	Strand	-
Start	12176	End	12665
Name	OJ990505_02.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	11233	End	11475
GI	none	Score	115
Exons	11233..11355, 11235..11357, 11238..11357, 11239..11358, 11246..11359, 11411..11473, 11415..11474, 11416..11472, 11416..11475		

Seq. No.	22224	Seq. ID	OJ990505_02.9924.C3
Gene No.	46333	Strand	-
Start	12176	End	12665
Name	OJ990505_02.9924.C3.o4.gp	Method	AAT/GAP
Start	12176	End	12665
GI	5038658	Score	580
Exons	12176..12409, 12588..12665		

Seq. No.	22225	Seq. ID	OJ990505_02.9924.C4
Gene No.	46334	Strand	+
Start	1	End	768
Name	OJ990505_02.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	768
GI	6006359	Score	74
Exons	1..147, 750..768		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	22226	Seq. ID	OJ990505_02.9924.C6
Gene No.	46335	Strand	+
Start	492	End	626
Name	OJ990505_02.9924.C6.o1.gs	Method	GENSCAN
Start	492	End	626
GI	none	Score	.81
Exons	492..626		

Seq. No.	22226	Seq. ID	OJ990505_02.9924.C6
Gene No.	46336	Strand	+
Start	540	End	778
Name	OJ990505_02.9924.C6.o1.gp	Method	AAT/GAP
Start	540	End	778
GI	3760742	Score	447
Exons	540..778		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-21 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22227	Seq. ID	OJ990505_02.9924.C7
Gene No.	46337	Strand	+
Start	1	End	640
Name	OJ990505_02.9924.C7.o1.np	Method	AAT/NAP
Start	1	End	640
GI	2589164	Score	516
Exons	1..329, 414..640		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	22227	Seq. ID	OJ990505_02.9924.C7
Gene No.	46337	Strand	+
Start	1	End	640
Name	OJ990505_02.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	118	End	601
GI	none	Score	55
Exons	118..282, 137..328, 142..327, 413..493, 505..600, 506..601		

Seq. No.	22227	Seq. ID	OJ990505_02.9924.C7
Gene No.	46337	Strand	+
Start	1	End	640
Name	OJ990505_02.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	120	End	604
GI	none	Score	310
Exons	120..272, 124..360, 137..328, 413..511, 449..496, 499..603, 500..604		

Seq. No.	22227	Seq. ID	OJ990505_02.9924.C7
Gene No.	46337	Strand	+
Start	1	End	640

Name	OJ990505_02.9924.C7.o1.gs	Method	GENSCAN
Start	140	End	626
GI	none	Score	.89
Exons	140..329, 414..626		

Seq. No.	22227	Seq. ID	OJ990505_02.9924.C7
Gene No.	46337	Strand	+
Start	1	End	640
Name	OJ990505_02.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	260	End	601
GI	none	Score	81
Exons	260..328, 413..493, 520..591, 521..601		

Seq. No.	22228	Seq. ID	OJ990505_02.9924.C8
Gene No.	46338	Strand	+
Start	1	End	95
Name	OJ990505_02.9924.C8.o1.gp	Method	AAT/GAP
Start	1	End	95
GI	69953_1.R1084	Score	132
Exons	1..95		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	22228	Seq. ID	OJ990505_02.9924.C8
Gene No.	46339	Strand	-
Start	388	End	437
Name	OJ990505_02.9924.C8.o1.gs	Method	GENSCAN
Start	388	End	437
GI	none	Score	.81
Exons	388..437		

Seq. No.	22229	Seq. ID	OJ990505_02.9924.C9
Gene No.	46340	Strand	+
Start	582	End	1504
Name	OJ990505_02.9924.C9.o1.gs	Method	GENSCAN
Start	582	End	1484
GI	none	Score	.52
Exons	582..735, 1378..1484		

Seq. No.	22229	Seq. ID	OJ990505_02.9924.C9
Gene No.	46340	Strand	+
Start	582	End	1504
Name	OJ990505_02.9924.C9.o1.np	Method	AAT/NAP
Start	591	End	1504
GI	2589164	Score	164
Exons	591..738, 1484..1504		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	22230	Seq. ID	OJ990505_02.9924.C10
Gene No.	46341	Strand	+
Start	1490	End	1918
Name	OJ990505_02.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	1466	End	1916
GI	none	Score	296
Exons	1466..1756, 1527..1760, 1773..1916, 1799..1915		

Seq. No.	22230	Seq. ID	OJ990505_02.9924.C10

Gene No.	46341	Strand	+
Start	1490	End	1918
Name	OJ990505_02.9924.C10.o1.np	Method	AAT/NAP
Start	1490	End	1918
GI	2589164	Score	598
Exons	1490..1918		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	22230	Seq. ID	OJ990505_02.9924.C10
Gene No.	46341	Strand	+
Start	1490	End	1918
Name	OJ990505_02.9924.C10.o1.gs	Method	GENSCAN
Start	1495	End	1895
GI	none	Score	.56
Exons	1495..1895		

Seq. No.	22230	Seq. ID	OJ990505_02.9924.C10
Gene No.	46341	Strand	+
Start	1490	End	1918
Name	OJ990505_02.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	1605	End	1872
GI	none	Score	342
Exons	1605..1862, 1610..1852, 1829..1870, 1830..1871, 1831..1872		

Seq. No.	22231	Seq. ID	OJ990505_02.9924.C11
Gene No.	46342	Strand	+
Start	1	End	1859
Name	OJ990505_02.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	1859
GI	2589162	Score	1261
Exons	1..372, 474..736, 857..1066, 1283..1501, 1799..1859		
GI Descrip.	(D88451) aldehyde oxidase [Zea mays]		

Seq. No.	22231	Seq. ID	OJ990505_02.9924.C11
Gene No.	46342	Strand	+
Start	1	End	1859
Name	OJ990505_02.9924.C11.o1.tc	Method	TBLASTX:Cress
Start	3	End	1528
GI	none	Score	132
Exons	3..248, 282..374, 287..373, 470..658, 472..654, 842..1069, 859..1053, 911..1072, 1268..1528, 1280..1507		

Seq. No.	22231	Seq. ID	OJ990505_02.9924.C11
Gene No.	46342	Strand	+
Start	1	End	1859
Name	OJ990505_02.9924.C11.o1.gs	Method	GENSCAN
Start	67	End	1501
GI	none	Score	.84
Exons	67..372, 474..736, 857..1066, 1283..1501		

Seq. No.	22231	Seq. ID	OJ990505_02.9924.C11
Gene No.	46342	Strand	+
Start	1	End	1859
Name	OJ990505_02.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	94	End	1531
GI	none	Score	95
Exons	94..153, 95..160, 96..161, 154..369, 168..374, 168..368,		

169..369, 170..373, 468..653, 470..739, 471..548, 472..735, 837..1052, 851..1069, 856..1068, 1268..1507, 1280..1531

Seq. No.	22231	Seq. ID	OJ990505_02.9924.C11
Gene No.	46342	Strand	+
Start	1	End	1859
Name	OJ990505_02.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	677	End	1321
GI	none	Score	95
Exons	677..739, 677..736, 837..1052, 843..1052, 845..1069, 845..1054, 856..1068, 1269..1319, 1270..1320, 1280..1321, 1280..1318		

Seq. No.	22231	Seq. ID	OJ990505_02.9924.C11
Gene No.	46342	Strand	+
Start	1	End	1859
Name	OJ990505_02.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	857	End	1483
GI	none	Score	224
Exons	857..1069, 858..1052, 859..1065, 1267..1461, 1268..1483		

Seq. No.	22231	Seq. ID	OJ990505_02.9924.C11
Gene No.	46342	Strand	+
Start	1	End	1859
Name	OJ990505_02.9924.C11.o1.gp	Method	AAT/GAP
Start	885	End	1525
GI	12055_1.R1084	Score	713
Exons	885..1066, 1283..1525		
GI Descrip.	'2589162/dbj|BAA23226| 2.0e-47 (D88451) aldehyde oxidase [Zea mays]'		

Seq. No.	22232	Seq. ID	OJ990505_02.9924.C12
Gene No.	46343	Strand	+
Start	1	End	1024
Name	OJ990505_02.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	1024
GI	2589164	Score	861
Exons	1..613, 801..896, 967..1024		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	22232	Seq. ID	OJ990505_02.9924.C12
Gene No.	46343	Strand	+
Start	1	End	1024
Name	OJ990505_02.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	22	End	899
GI	none	Score	475
Exons	22..573, 23..580, 798..899		

Seq. No.	22232	Seq. ID	OJ990505_02.9924.C12
Gene No.	46343	Strand	+
Start	1	End	1024
Name	OJ990505_02.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	23	End	163
GI	none	Score	193
Exons	23..163, 25..162		

Seq. No.	22232	Seq. ID	OJ990505_02.9924.C12
Gene No.	46343	Strand	+

Start	1	End	1024
Name	OJ990505_02.9924.C12.o1.gs	Method	GENSCAN
Start	61	End	896
GI	none	Score	.88
Exons	61..613, 801..896		

Seq. No.	22232	Seq. ID	OJ990505_02.9924.C12
Gene No.	46343	Strand	+
Start	1	End	1024
Name	OJ990505_02.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	163	End	931
GI	none	Score	527
Exons	163..588, 164..574, 566..625, 798..899	577..627, 753..899, 797..931,	

Seq. No.	22232	Seq. ID	OJ990505_02.9924.C12
Gene No.	46343	Strand	+
Start	1	End	1024
Name	OJ990505_02.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	308	End	899
GI	none	Score	288
Exons	308..577, 350..577, 361..390,	433..579, 798..899	

Seq. No.	22232	Seq. ID	OJ990505_02.9924.C12
Gene No.	46343	Strand	+
Start	1	End	1024
Name	OJ990505_02.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	311	End	904
GI	none	Score	148
Exons	311..412, 358..387, 419..574, 586..627, 591..614, 798..899,	433..573, 442..576, 528..620, 799..900, 800..904	

Seq. No.	22233	Seq. ID	OJ990505_02.9924.C13
Gene No.	46344	Strand	+
Start	1	End	1344
Name	OJ990505_02.9924.C13.o1.np	Method	AAT/NAP
Start	1	End	1344
GI	5852093	Score	69
Exons	1..73, 983..1089, 1260..1344		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	22233	Seq. ID	OJ990505_02.9924.C13
Gene No.	46344	Strand	+
Start	1	End	1344
Name	OJ990505_02.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	88	End	407
GI	none	Score	108
Exons	88..276, 88..294, 176..280,	306..407	

Seq. No.	22234	Seq. ID	OJ990505_02.9924.C14
Gene No.	46345	Strand	-
Start	221	End	549
Name	OJ990505_02.9924.C14.o1.gs	Method	GENSCAN
Start	221	End	549
GI	none	Score	.48
Exons	221..248, 512..549		

Seq. No.	22235	Seq. ID	OJ990505_02.9924.C17
Gene No.	46346	Strand	-
Start	765	End	1293
Name	OJ990505_02.9924.C17.o1.gs	Method	GENSCAN
Start	765	End	1293
GI	none	Score	.43
Exons	765..870, 1125..1293		

Seq. No.	22236	Seq. ID	OJ990505_02.9924.C18
Gene No.	46347	Strand	+
Start	775	End	1206
Name	OJ990505_02.9924.C18.o1.np	Method	AAT/NAP
Start	775	End	1206
GI	1906000	Score	88
Exons	775..958, 1077..1206		
GI Descrip.	(U90428) blue copper-binding protein II [Arabidopsis thaliana]		

Seq. No.	22236	Seq. ID	OJ990505_02.9924.C18
Gene No.	46347	Strand	+
Start	775	End	1206
Name	OJ990505_02.9924.C18.o1.gs	Method	GENSCAN
Start	796	End	1186
GI	none	Score	.71
Exons	796..958, 1077..1186		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46348	Strand	+
Start	1	End	1610
Name	OJ990505_02.9924.C20.o1.np	Method	AAT/NAP
Start	1	End	1610
GI	2589162	Score	1918
Exons	1..1610		
GI Descrip.	(D88451) aldehyde oxidase [Zea mays]		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46348	Strand	+
Start	1	End	1610
Name	OJ990505_02.9924.C20.o1.gs	Method	GENSCAN
Start	56	End	1437
GI	none	Score	.41
Exons	56..1437		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46349	Strand	-
Start	1369	End	1568
Name	OJ990505_02.9924.C20.o1.tc	Method	TBLASTX:Cress
Start	6	End	1567
GI	none	Score	211
Exons	6..185, 17..169, 135..353, 182..379, 410..448, 411..458, 573..623, 591..749, 629..736, 762..926, 765..893, 941..1024, 942..1022, 1023..1109, 1143..1460, 1151..1372, 1499..1567		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46349	Strand	-
Start	1369	End	1568
Name	OJ990505_02.9924.C20.o3.tm	Method	TBLASTX:Maize
Start	18	End	285

GI	none	Score	337
Exons	18..275, 18..77, 23..265, 242..283, 243..284, 244..285		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46349	Strand	-
Start	1369	End	1568
Name	OJ990505_02.9924.C20.o2.tm	Method	TBLASTX:Maize
Start	525	End	826
GI	none	Score	401
Exons	525..824, 525..815, 527..826, 716..826		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46349	Strand	-
Start	1369	End	1568
Name	OJ990505_02.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	827	End	1364
GI	none	Score	140
Exons	827..928, 828..935, 927..1025, 928..1026, 930..1016, 931..1026, 935..1033, 1025..1363, 1026..1364		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46349	Strand	-
Start	1369	End	1568
Name	OJ990505_02.9924.C20.o4.tm	Method	TBLASTX:Maize
Start	1366	End	1568
GI	none	Score	135
Exons	1366..1563, 1380..1568, 1380..1559, 1382..1567		

Seq. No.	22237	Seq. ID	OJ990505_02.9924.C20
Gene No.	46349	Strand	-
Start	1369	End	1568
Name	OJ990505_02.9924.C20.o1.gp	Method	AAT/GAP
Start	1369	End	1566
GI	426100	Score	361
Exons	1369..1566		
GI Descrip.	2589162/dbj|BAA23226| 2.0e-47 (D88451) aldehyde oxidase [Zea mays]		

Seq. No.	22238	Seq. ID	OJ990505_02.9924.C21
Gene No.	46350	Strand	+
Start	57	End	195
Name	OJ990505_02.9924.C21.o1.gs	Method	GENSCAN
Start	57	End	195
GI	none	Score	.87
Exons	57..195		

Seq. No.	22239	Seq. ID	OJ990505_02.9924.C24
Gene No.	46351	Strand	+
Start	1	End	609
Name	OJ990505_02.9924.C24.o1.np	Method	AAT/NAP
Start	1	End	609
GI	6006864	Score	447
Exons	1..609		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22239	Seq. ID	OJ990505_02.9924.C24
Gene No.	46351	Strand	+

Start	1	End	609
Name	OJ990505_02.9924.C24.o2.tm	Method	TBLASTX:Maize
Start	1	End	200
GI	none	Score	89
Exons	1..87, 1..84, 3..101, 44..199, 87..200, 87..200, 108..179		

Seq. No.	22239	Seq. ID	OJ990505_02.9924.C24
Gene No.	46351	Strand	+
Start	1	End	609
Name	OJ990505_02.9924.C24.o1.tc	Method	TBLASTX:Cress
Start	86	End	383
GI	none	Score	144
Exons	86..229, 87..257, 246..383, 299..382		

Seq. No.	22239	Seq. ID	OJ990505_02.9924.C24
Gene No.	46351	Strand	+
Start	1	End	609
Name	OJ990505_02.9924.C24.o1.gs	Method	GENSCAN
Start	114	End	608
GI	none	Score	.96
Exons	114..608		

Seq. No.	22239	Seq. ID	OJ990505_02.9924.C24
Gene No.	46351	Strand	+
Start	1	End	609
Name	OJ990505_02.9924.C24.o1.tm	Method	TBLASTX:Maize
Start	201	End	590
GI	none	Score	50
Exons	201..248, 210..383, 219..338, 264..467, 269..475, 270..470, 492..590, 527..589		

Seq. No.	22239	Seq. ID	OJ990505_02.9924.C24
Gene No.	46351	Strand	+
Start	1	End	609
Name	OJ990505_02.9924.C24.o1.ts	Method	TBLASTX:Soybean
Start	207	End	505
GI	none	Score	289
Exons	207..497, 212..505		

Seq. No.	22240	Seq. ID	OJ990505_02.9924.C26
Gene No.	46352	Strand	+
Start	867	End	2513
Name	OJ990505_02.9924.C26.o1.gs	Method	GENSCAN
Start	867	End	2513
GI	none	Score	.85
Exons	867..968, 1401..1471, 2351..2513		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46353	Strand	+
Start	1037	End	1169
Name	OJ990505_02.9924.C27.o1.np	Method	AAT/NAP
Start	1037	End	1169
GI	6815099	Score	74
Exons	1037..1169		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27

Gene No.	46354	Strand	+
Start	2667	End	2985
Name	OJ990505_02.9924.C27.o2.np	Method	AAT/NAP
Start	2667	End	2985
GI	5777617	Score	78
Exons	2667..2985		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46355	Strand	+
Start	12502	End	13987
Name	OJ990505_02.9924.C27.o4.np	Method	AAT/NAP
Start	12502	End	13987
GI	2398679	Score	141
Exons	12502..12677, 13958..13987		
GI Descrip.	(Y14797) 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase [Morinda citrifolia]		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46356	Strand	-
Start	2501	End	12780
Name	OJ990505_02.9924.C27.o1.gs	Method	GENSCAN
Start	2501	End	12730
GI	none	Score	.55
Exons	2501..2580, 2624..2782, 3267..3616, 3636..3905, 4024..4089, 6359..6396, 8001..8363, 9006..9825, 9851..10421, 11685..12120, 12671..12730		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46356	Strand	-
Start	2501	End	12780
Name	OJ990505_02.9924.C27.o3.np	Method	AAT/NAP
Start	4417	End	4510
GI	5777617	Score	71
Exons	4417..4510		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46356	Strand	-
Start	2501	End	12780
Name	OJ990505_02.9924.C27.o1.gp	Method	AAT/GAP
Start	7075	End	7462
GI	2427926	Score	721
Exons	7075..7462		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46356	Strand	-
Start	2501	End	12780
Name	OJ990505_02.9924.C27.o2.gp	Method	AAT/GAP
Start	9847	End	10018
GI	2796869	Score	281
Exons	9847..10018		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46356	Strand	-
Start	2501	End	12780
Name	OJ990505_02.9924.C27.o1.ts	Method	TBLASTX:Soybean

Start	12349	End	12777
GI	none	Score	42
Exons	12349..12378, 12357..12377, 12497..12589, 12497..12589, 12501..12620, 12584..12640, 12592..12633, 12643..12777, 12644..12775		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46356	Strand	-
Start	2501	End	12780
Name	OJ990505_02.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	12497	End	12780
GI	none	Score	121
Exons	12497..12589, 12497..12589, 12501..12623, 12501..12623, 12584..12640, 12585..12644, 12592..12639, 12640..12780, 12641..12775		

Seq. No.	22241	Seq. ID	OJ990505_02.9924.C27
Gene No.	46356	Strand	-
Start	2501	End	12780
Name	OJ990505_02.9924.C27.o1.tc	Method	TBLASTX:Cress
Start	12572	End	12777
GI	none	Score	96
Exons	12572..12640, 12643..12777, 12644..12775		

Seq. No.	22242	Seq. ID	OJ990505_02.9924.C30
Gene No.	46357	Strand	+
Start	412	End	2886
Name	OJ990505_02.9924.C30.o1.gs	Method	GENSCAN
Start	412	End	2886
GI	none	Score	.53
Exons	412..628, 946..1074, 1076..2104, 2316..2436, 2682..2886		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46358	Strand	+
Start	2953	End	3981
Name	OJ990505_02.9924.C31.o2.gs	Method	GENSCAN
Start	2953	End	3981
GI	none	Score	.63
Exons	2953..3981		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46358	Strand	+
Start	2953	End	3981
Name	OJ990505_02.9924.C31.o1.np	Method	AAT/NAP
Start	2962	End	3959
GI	6092014	Score	403
Exons	2962..3959		
GI Descrip.	(AB026296) hsr203J homolog [Pisum sativum]		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46359	Strand	-
Start	722	End	3909
Name	OJ990505_02.9924.C31.o1.gs	Method	GENSCAN
Start	722	End	1403
GI	none	Score	.53
Exons	722..1132, 1156..1248, 1320..1403		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46359	Strand	-
Start	722	End	3909
Name	OJ990505_02.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	953	End	3471
GI	none	Score	45
Exons	953..994, 959..988, 987..1097, 1016..1096, 1114..1176, 1135..1176, 3118..3405, 3129..3296, 3382..3471, 3391..3468		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46359	Strand	-
Start	722	End	3909
Name	OJ990505_02.9924.C31.o1.ts	Method	TBLASTX:Soybean
Start	953	End	3909
GI	none	Score	64
Exons	953..1189, 1189..1278, 1314..1373, 2977..3069, 3067..3171, 3166..3390, 3406..3606, 3432..3605, 3549..3707, 3550..3714, 3817..3909		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46359	Strand	-
Start	722	End	3909
Name	OJ990505_02.9924.C31.o1.tw	Method	TBLASTX:Wheat
Start	1092	End	3512
GI	none	Score	40
Exons	1092..1121, 1093..1122, 1124..1159, 1126..1167, 1126..1188, 1169..1273, 1183..1272, 1198..1275, 1281..1373, 1290..1373, 1306..1377, 2973..3296, 2977..3363, 3447..3512		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46359	Strand	-
Start	722	End	3909
Name	OJ990505_02.9924.C31.o1.tc	Method	TBLASTX:Cress
Start	3103	End	3687
GI	none	Score	43
Exons	3103..3162, 3166..3384, 3439..3522, 3535..3687		

Seq. No.	22243	Seq. ID	OJ990505_02.9924.C31
Gene No.	46359	Strand	-
Start	722	End	3909
Name	OJ990505_02.9924.C31.o2.tm	Method	TBLASTX:Maize
Start	3474	End	3759
GI	none	Score	229
Exons	3474..3707, 3475..3708, 3628..3759		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46360	Strand	+
Start	108	End	15159
Name	OJ990505_02.9924.C32.o1.gs	Method	GENSCAN
Start	108	End	15159
GI	none	Score	.46
Exons	108..114, 151..262, 4825..6235, 7135..7377, 7663..7815, 7961..8029, 8685..8739, 10023..10055, 10733..10816, 11080..11168, 11519..11632, 12099..12233, 12433..12552, 13806..14009, 14861..15053, 15077..15159		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32

Gene No.	46360	Strand	+
Start	108	End	15159
Name	OJ990505_02.9924.C32.o1.np	Method	AAT/NAP
Start	5750	End	8307
GI	4773917	Score	346
Exons	5750..6134, 6189..6235, 7147..7389, 8222..8307		
GI Descrip.	(AF147259) similar to human prostate-specific membrane antigen (PSM) (SP:Q04609) [Arabidopsis thaliana]		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46360	Strand	+
Start	108	End	15159
Name	OJ990505_02.9924.C32.o1.gp	Method	AAT/GAP
Start	10266	End	12159
GI	425889	Score	771
Exons	10266..10354, 10733..10816, 11080..11168, 11519..11632, 12099..12159		
GI Descrip.	2653779 3.0e-10 (AF009921) I100 [Rattus norvegicus]		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46360	Strand	+
Start	108	End	15159
Name	OJ990505_02.9924.C32.o2.gp	Method	AAT/GAP
Start	12147	End	12718
GI	3760742	Score	1119
Exons	12147..12718		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-21 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46360	Strand	+
Start	108	End	15159
Name	OJ990505_02.9924.C32.o2.np	Method	AAT/NAP
Start	13848	End	15024
GI	3150407	Score	262
Exons	13848..14009, 14861..15024		
GI Descrip.	(AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o2.tm	Method	TBLASTX:Maize
Start	5980	End	11168
GI	none	Score	120
Exons	5980..6162, 5981..6163, 7147..7386, 7152..7370, 7654..7758, 7662..7763, 7756..7818, 10240..10350, 10726..10815, 11079..11168		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o2.tc	Method	TBLASTX:Cress
Start	7128	End	7390
GI	none	Score	295
Exons	7128..7385, 7129..7386, 7129..7386, 7181..7390		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-

Start	15654	End	16229
Name	OJ990505_02.9924.C32.o1.ts	Method	TBLASTX:Soybean
Start	7189	End	7722
GI	none	Score	302
Exons	7189..7386, 7191..7376, 7654..7722, 7662..7721		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o1.tw	Method	TBLASTX:Wheat
Start	7194	End	7731
GI	none	Score	227
Exons	7194..7373, 7195..7386, 7663..7731		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o3.tc	Method	TBLASTX:Cress
Start	13851	End	15004
GI	none	Score	193
Exons	13851..14024, 13874..14005, 13878..14009, 14855..15004		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o3.np	Method	AAT/NAP
Start	15638	End	16229
GI	2589164	Score	523
Exons	15638..15862, 15947..16229		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o2.gs	Method	GENSCAN
Start	15654	End	16136
GI	none	Score	1
Exons	15654..15862, 15947..16136		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o1.tm	Method	TBLASTX:Maize
Start	15666	End	16156
GI	none	Score	49
Exons	15666..15776, 15721..15777, 15765..15863, 15780..15827, 15916..16152, 15948..16139, 15949..16152, 16004..16156		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32
Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o1.tc	Method	TBLASTX:Cress
Start	15675	End	16139
GI	none	Score	156
Exons	15675..15770, 15783..15863, 15948..16139, 15949..16134		

Seq. No.	22244	Seq. ID	OJ990505_02.9924.C32

Gene No.	46361	Strand	-
Start	15654	End	16229
Name	OJ990505_02.9924.C32.o2.ts	Method	TBLASTX:Soybean
Start	15675	End	16016
GI	none	Score	81
Exons	15675..15755, 15783..15863, 15948..16016		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46362	Strand	+
Start	11943	End	12406
Name	OJ990505_02.9924.C33.o3.gs	Method	GENSCAN
Start	11943	End	12406
GI	none	Score	.96
Exons	11943..12004, 12340..12406		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46363	Strand	+
Start	13178	End	13363
Name	OJ990505_02.9924.C33.o4.gs	Method	GENSCAN
Start	13178	End	13363
GI	none	Score	.54
Exons	13178..13363		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46364	Strand	-
Start	1051	End	7751
Name	OJ990505_02.9924.C33.o1.np	Method	AAT/NAP
Start	1033	End	7745
GI	2589164	Score	5213
Exons	1033..1259, 1342..1531, 1663..1761, 1898..1993, 2307..3260, 3582..3800, 4181..4390, 4516..4778, 4940..5087, 5124..6616, 7601..7745		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46364	Strand	-
Start	1051	End	7751
Name	OJ990505_02.9924.C33.o1.gs	Method	GENSCAN
Start	1051	End	7751
GI	none	Score	.93
Exons	1051..1259, 1342..1531, 1663..1761, 1898..1993, 2307..3260, 3582..3800, 4181..4390, 4516..4778, 4940..6616, 7601..7751		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46364	Strand	-
Start	1051	End	7751
Name	OJ990505_02.9924.C33.o1.gp	Method	AAT/GAP
Start	3558	End	4650
GI	12055_1.R1084	Score	1043
Exons	3558..3800, 4181..4390, 4516..4650		
GI Descrip.	'2589162/dbj|BAA23226| 2.0e-47 (D88451) aldehyde oxidase [Zea mays]'		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46365	Strand	-
Start	9234	End	9758
Name	OJ990505_02.9924.C33.o2.gs	Method	GENSCAN

Start	9234	End	9758
GI	none	Score	.7
Exons	9234..9352, 9641..9758		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o2.tm	Method	TBLASTX:Maize
Start	1063	End	2735
GI	none	Score	127
Exons	1063..1173, 1070..1174, 1162..1260, 1177..1224, 1343..1534, 1344..1547, 1353..1547, 1399..1551, 1660..1764, 1661..1729, 1663..1764, 1863..1997, 1895..2041, 1895..1996, 2301..2354, 2343..2726, 2344..2733, 2344..2565, 2346..2735		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o1.tc	Method	TBLASTX:Cress
Start	1072	End	7691
GI	none	Score	73
Exons	1072..1167, 1073..1168, 1180..1260, 1343..1534, 1344..1529, 1651..1764, 1667..1726, 1895..1996, 2331..3230, 2332..3228, 3544..3816, 3576..3803, 4178..4390, 4193..4237, 4194..4388, 4283..4390, 4597..4779, 4597..4782, 4598..4780, 4938..5030, 5157..5363, 5167..5361, 5415..5486, 5416..5472, 5499..5585, 5595..5828, 5611..5763, 5775..5894, 5788..5892, 6072..6152, 6073..6111, 6162..6323, 6163..6321, 6354..6584, 6355..6618, 7599..7691		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o3.ts	Method	TBLASTX:Soybean
Start	1072	End	1411
GI	none	Score	74
Exons	1072..1152, 1076..1153, 1180..1260, 1343..1411		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o2.ts	Method	TBLASTX:Soybean
Start	1496	End	2612
GI	none	Score	75
Exons	1496..1534, 1651..1764, 1651..1764, 1895..1996, 2341..2487, 2343..2564, 2343..2612		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o2.tw	Method	TBLASTX:Wheat
Start	1744	End	2609
GI	none	Score	40
Exons	1744..1764, 1890..1994, 1894..1995, 1895..1996, 1895..1996, 2307..2342, 2344..2505, 2347..2487, 2488..2571, 2508..2609, 2533..2562		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	2736	End	5218
GI	none	Score	159
Exons	2736..2954, 2737..3234, 2737..2826, 2739..3233, 3012..3266, 3161..3265, 3552..3803, 3576..3815, 4178..4396, 4179..4391, 4193..4396, 4195..4410, 4513..4782, 4517..4780, 4938..5144, 4939..5142, 4943..5143, 4943..5158, 5151..5216, 5151..5216, 5152..5217, 5156..5218		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o4.ts	Method	TBLASTX:Soybean
Start	2904	End	3090
GI	none	Score	125
Exons	2904..3089, 2908..3090		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o1.ts	Method	TBLASTX:Soybean
Start	3600	End	4390
GI	none	Score	106
Exons	3600..3815, 3600..3815, 3622..3816, 4178..4390, 4182..4388, 4195..4389		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o1.tw	Method	TBLASTX:Wheat
Start	3762	End	4575
GI	none	Score	58
Exons	3762..3803, 3764..3814, 3764..3814, 4178..4396, 4179..4391, 4193..4396, 4194..4400, 4513..4575, 4516..4575		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o3.tm	Method	TBLASTX:Maize
Start	5220	End	5697
GI	none	Score	207
Exons	5220..5498, 5220..5498, 5221..5499, 5491..5589, 5499..5597, 5508..5594, 5589..5696, 5596..5697		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o4.tm	Method	TBLASTX:Maize
Start	5698	End	5999
GI	none	Score	302
Exons	5698..5997, 5698..5808, 5700..5999, 5709..5999		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-

Start	14132	End	14766
Name	OJ990505_02.9924.C33.o5.tm	Method	TBLASTX:Maize
Start	6240	End	6506
GI	none	Score	65
Exons	6240..6281, 6241..6282, 6249..6506, 6259..6501		

Seq. No.	22245	Seq. ID	OJ990505_02.9924.C33
Gene No.	46366	Strand	-
Start	14132	End	14766
Name	OJ990505_02.9924.C33.o5.gs	Method	GENSCAN
Start	14132	End	14766
GI	none	Score	.55
Exons	14132..14592, 14658..14766		

Seq. No.	22246	Seq. ID	OJ990505_02.9924.C34
Gene No.	46367	Strand	+
Start	208	End	311
Name	OJ990505_02.9924.C34.o1.gs	Method	GENSCAN
Start	208	End	311
GI	none	Score	.84
Exons	208..311		

Seq. No.	22247	Seq. ID	OJ990505_02.9924.C35
Gene No.	46368	Strand	+
Start	1153	End	1330
Name	OJ990505_02.9924.C35.o1.gs	Method	GENSCAN
Start	1153	End	1330
GI	none	Score	.86
Exons	1153..1330		

Seq. No.	22247	Seq. ID	OJ990505_02.9924.C35
Gene No.	46369	Strand	-
Start	2312	End	3528
Name	OJ990505_02.9924.C35.o2.gs	Method	GENSCAN
Start	2312	End	2876
GI	none	Score	.85
Exons	2312..2622, 2687..2876		

Seq. No.	22247	Seq. ID	OJ990505_02.9924.C35
Gene No.	46369	Strand	-
Start	2312	End	3528
Name	OJ990505_02.9924.C35.o1.np	Method	AAT/NAP
Start	2350	End	3528
GI	2589164	Score	478
Exons	2350..2581, 2687..2891, 3466..3528		
GI Descrip.	(D88452) aldehyde oxidase-2 [Zea mays]		

Seq. No.	22247	Seq. ID	OJ990505_02.9924.C35
Gene No.	46369	Strand	-
Start	2312	End	3528
Name	OJ990505_02.9924.C35.o1.tm	Method	TBLASTX:Maize
Start	2380	End	2896
GI	none	Score	126
Exons	2380..2490, 2387..2500, 2517..2570, 2519..2572, 2688..2891, 2689..2892, 2774..2896, 2781..2894		

Seq. No.	22247	Seq. ID	OJ990505_02.9924.C35

Gene No.	46369	Strand	-
Start	2312	End	3528
Name	OJ990505_02.9924.C35.o1.tc	Method	TBLASTX:Cress
Start	2389	End	2892
GI	none	Score	88
Exons	2389..2481, 2390..2482, 2513..2572, 2688..2891, 2689..2892		

Seq. No.	22248	Seq. ID	OJ990505_02.9924.C36
Gene No.	46370	Strand	+
Start	4449	End	4954
Name	OJ990505_02.9924.C36.o2.gs	Method	GENSCAN
Start	4449	End	4954
GI	none	Score	.83
Exons	4449..4641, 4746..4954		

Seq. No.	22248	Seq. ID	OJ990505_02.9924.C36
Gene No.	46370	Strand	+
Start	4449	End	4954
Name	OJ990505_02.9924.C36.o1.ts	Method	TBLASTX:Soybean
Start	4541	End	4935
GI	none	Score	105
Exons	4541..4636, 4542..4649, 4763..4930, 4834..4935		

Seq. No.	22249	Seq. ID	OJ990525_02.9921.C1
Gene No.	46371	Strand	
Start	18	End	471
Name	OJ990525_02.9921.C1.o1.tc	Method	TBLASTX:Cress
Start	18	End	471
GI	none	Score	264
Exons	18..245, 84..287, 152..247, 349..402, 403..471		

Seq. No.	22249	Seq. ID	OJ990525_02.9921.C1
Gene No.	46371	Strand	
Start	18	End	471
Name	OJ990525_02.9921.C1.o1.ts	Method	TBLASTX:Soybean
Start	18	End	396
GI	none	Score	251
Exons	18..245, 23..109, 30..278, 82..246, 345..395, 346..396		

Seq. No.	22249	Seq. ID	OJ990525_02.9921.C1
Gene No.	46371	Strand	
Start	18	End	471
Name	OJ990525_02.9921.C1.o1.tm	Method	TBLASTX:Maize
Start	33	End	447
GI	none	Score	93
Exons	33..251, 35..232, 36..245, 145..285, 345..386, 345..401, 346..396, 403..447		

Seq. No.	22249	Seq. ID	OJ990525_02.9921.C1
Gene No.	46371	Strand	
Start	18	End	471
Name	OJ990525_02.9921.C1.o1.tw	Method	TBLASTX:Wheat
Start	78	End	396
GI	none	Score	211
Exons	78..245, 78..245, 345..395, 346..396		

Seq. No.	22250	Seq. ID	OJ990525_02.9921.C8

Gene No.	46372	Strand	+
Start	186	End	282
Name	OJ990525_02.9921.C8.o1.gp	Method	AAT/GAP
Start	186	End	282
GI	2311773	Score	153
Exons	186..282		

Seq. No.	22251	Seq. ID	OJ990525_02.9921.C10
Gene No.	46373	Strand	
Start	5	End	395
Name	OJ990525_02.9921.C10.o1.tc	Method	TBLASTX:Cress
Start	5	End	208
GI	none	Score	124
Exons	5..127, 6..125, 95..208, 124..204		

Seq. No.	22251	Seq. ID	OJ990525_02.9921.C10
Gene No.	46373	Strand	
Start	5	End	395
Name	OJ990525_02.9921.C10.o1.tw	Method	TBLASTX:Wheat
Start	5	End	207
GI	none	Score	108
Exons	5..127, 6..125, 11..142, 124..207, 125..187		

Seq. No.	22251	Seq. ID	OJ990525_02.9921.C10
Gene No.	46373	Strand	
Start	5	End	395
Name	OJ990525_02.9921.C10.o1.tm	Method	TBLASTX:Maize
Start	5	End	395
GI	none	Score	110
Exons	5..127, 6..125, 11..127, 124..207, 125..190, 300..395		

Seq. No.	22251	Seq. ID	OJ990525_02.9921.C10
Gene No.	46373	Strand	
Start	5	End	395
Name	OJ990525_02.9921.C10.o1.ts	Method	TBLASTX:Soybean
Start	5	End	395
GI	none	Score	101
Exons	5..127, 6..125, 11..127, 124..207, 125..190, 300..395		

Seq. No.	22251	Seq. ID	OJ990525_02.9921.C10
Gene No.	46374	Strand	
Start	1196	End	1374
Name	OJ990525_02.9921.C10.o2.tm	Method	TBLASTX:Maize
Start	1196	End	1374
GI	none	Score	48
Exons	1196..1273, 1204..1245, 1252..1374, 1262..1372		

Seq. No.	22252	Seq. ID	OJ990525_02.9921.C23
Gene No.	46375	Strand	
Start	100	End	1141
Name	OJ990525_02.9921.C23.o1.ts	Method	TBLASTX:Soybean
Start	100	End	587
GI	none	Score	91
Exons	100..186, 101..184, 453..518, 461..583, 462..587		

Seq. No.	22252	Seq. ID	OJ990525_02.9921.C23
Gene No.	46375	Strand	

Start	100	End	1141
Name	OJ990525_02.9921.C23.o1.tm	Method	TBLASTX:Maize
Start	100	End	1141
GI	none	Score	82
Exons	100..174, 100..186, 101..184, 461..589, 462..587, 463..591, 464..592, 465..596, 713..769, 714..779, 715..765, 1045..1128, 1046..1138, 1049..1141		

Seq. No.	22253	Seq. ID	OJ990525_02.9921.C24
Gene No.	46376	Strand	
Start	331	End	2185
Name	OJ990525_02.9921.C24.o1.tc	Method	TBLASTX:Cress
Start	331	End	2185
GI	none	Score	102
Exons	331..420, 336..404, 1227..1304, 1358..1426, 1359..1427, 1535..1666, 1543..1662, 1554..1676, 1558..1677, 1826..2032, 1826..1975, 1828..2004, 2105..2185, 2107..2166		

Seq. No.	22253	Seq. ID	OJ990525_02.9921.C24
Gene No.	46376	Strand	
Start	331	End	2185
Name	OJ990525_02.9921.C24.o1.tm	Method	TBLASTX:Maize
Start	1547	End	2170
GI	none	Score	201
Exons	1547..1669, 1549..1668, 1808..2002, 1818..2003, 1825..2010, 1826..2020, 2099..2170, 2107..2166		

Seq. No.	22253	Seq. ID	OJ990525_02.9921.C24
Gene No.	46376	Strand	
Start	331	End	2185
Name	OJ990525_02.9921.C24.o1.ts	Method	TBLASTX:Soybean
Start	1583	End	2142
GI	none	Score	139
Exons	1583..1666, 1588..1677, 1826..2020, 1834..2010, 2102..2140, 2110..2142		

Seq. No.	22253	Seq. ID	OJ990525_02.9921.C24
Gene No.	46376	Strand	
Start	331	End	2185
Name	OJ990525_02.9921.C24.o1.tw	Method	TBLASTX:Wheat
Start	1892	End	2179
GI	none	Score	206
Exons	1892..2035, 1892..1993, 1894..2022, 2039..2170, 2084..2179		

Seq. No.	22254	Seq. ID	OJ990525_02.9921.C28
Gene No.	46377	Strand	
Start	798	End	2253
Name	OJ990525_02.9921.C28.o1.tw	Method	TBLASTX:Wheat
Start	798	End	2197
GI	none	Score	36
Exons	798..854, 828..950, 881..1003, 922..1011, 925..954, 1866..2066, 1891..2085, 1891..2097, 2165..2194, 2165..2197		

Seq. No.	22254	Seq. ID	OJ990525_02.9921.C28
Gene No.	46377	Strand	
Start	798	End	2253
Name	OJ990525_02.9921.C28.o1.tc	Method	TBLASTX:Cress

Start	925	End	2230
GI	none	Score	69
Exons	925..1011, 1889..2017, 1891..2028, 1940..2074, 2165..2230		

Seq. No.	22254	Seq. ID	OJ990525_02.9921.C28
Gene No.	46377	Strand	
Start	798	End	2253
Name	OJ990525_02.9921.C28.o1.tm	Method	TBLASTX:Maize
Start	967	End	2253
GI	none	Score	203
Exons	967..1011, 1884..2054, 1891..2085, 1891..2097, 2165..2236, 2165..2239, 2173..2253		

Seq. No.	22255	Seq. ID	OJ990525_02.9921.C29
Gene No.	46378	Strand	-
Start	405	End	886
Name	OJ990525_02.9921.C29.o1.gp	Method	AAT/GAP
Start	405	End	886
GI	none	Score	646
Exons	405..633, 771..886		

Seq. No.	22255	Seq. ID	OJ990525_02.9921.C29
Gene No.	46378	Strand	-
Start	405	End	886
Name	OJ990525_02.9921.C29.o1.tm	Method	TBLASTX:Maize
Start	456	End	849
GI	none	Score	188
Exons	456..635, 457..642, 458..634, 490..636, 763..849, 771..848		

Seq. No.	22256	Seq. ID	OJ990525_02.9921.C37
Gene No.	46379	Strand	+
Start	996	End	1200
Name	OJ990525_02.9921.C37.o1.gp	Method	AAT/GAP
Start	996	End	1200
GI	none	Score	410
Exons	996..1200		

Seq. No.	22257	Seq. ID	OJ990525_02.9921.C38
Gene No.	46380	Strand	
Start	279	End	724
Name	OJ990525_02.9921.C38.o1.ts	Method	TBLASTX:Soybean
Start	279	End	724
GI	none	Score	95
Exons	279..485, 376..471, 590..724, 591..707		

Seq. No.	22258	Seq. ID	OJ990525_02.9921.C40
Gene No.	46381	Strand	-
Start	117	End	1420
Name	OJ990525_02.9921.C40.o1.gp	Method	AAT/GAP
Start	117	End	1420
GI	38389_1.R1084	Score	1113
Exons	117..551, 1082..1135, 1297..1420		
GI Descrip.	'4138722/emb|CAA70777| 8.0e-30 (Y09590) hexose transporter [Vitis vinifera]'		

Seq. No.	22259	Seq. ID	OJ990525_02.9921.C48
Gene No.	46382	Strand	

Start	220	End	869
Name	OJ990525_02.9921.C48.o1.tc	Method	TBLASTX:Cress
Start	220	End	620
GI	none	Score	86
Exons	220..300, 440..586, 440..580, 447..620, 447..608		

Seq. No.	22259	Seq. ID	OJ990525_02.9921.C48
Gene No.	46382	Strand	
Start	220	End	869
Name	OJ990525_02.9921.C48.o1.tw	Method	TBLASTX:Wheat
Start	220	End	583
GI	none	Score	151
Exons	220..351, 220..351, 449..577, 450..578, 451..579, 452..583		

Seq. No.	22259	Seq. ID	OJ990525_02.9921.C48
Gene No.	46382	Strand	
Start	220	End	869
Name	OJ990525_02.9921.C48.o1.tm	Method	TBLASTX:Maize
Start	449	End	857
GI	none	Score	234
Exons	449..577, 450..578, 452..583, 788..853, 789..857		

Seq. No.	22259	Seq. ID	OJ990525_02.9921.C48
Gene No.	46382	Strand	
Start	220	End	869
Name	OJ990525_02.9921.C48.o1.ts	Method	TBLASTX:Soybean
Start	458	End	869
GI	none	Score	209
Exons	458..574, 459..578, 462..578, 464..583, 788..868, 789..869		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46383	Strand	-
Start	649	End	1276
Name	OJ990525_02.9921.C49.o1.gp	Method	AAT/GAP
Start	649	End	1276
GI	5771166	Score	1161
Exons	649..1276		
GI Descrip.	5734438/emb|CAB52688.1| 1.0e-49 (AJ132223) hexose transporter [Lycopersicon esculentum]		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o1.ts	Method	TBLASTX:Soybean
Start	837	End	2310
GI	none	Score	266
Exons	837..1208, 850..1209, 1212..2309, 1213..1281, 1251..1556, 1327..1716, 1786..1896, 1954..2310		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o1.tm	Method	TBLASTX:Maize
Start	847	End	1544
GI	none	Score	777
Exons	847..1542, 849..1544		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o1.tc	Method	TBLASTX:Cress
Start	849	End	2334
GI	none	Score	298
Exons	849..1208, 850..1209, 1212..2312, 1213..1281, 1251..1544, 1327..1716, 1789..1899, 1951..2334		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o1.tw	Method	TBLASTX:Wheat
Start	861	End	1187
GI	none	Score	286
Exons	861..1187, 862..1179		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o2.tw	Method	TBLASTX:Wheat
Start	1239	End	1577
GI	none	Score	156
Exons	1239..1577, 1254..1526, 1330..1539		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o3.tm	Method	TBLASTX:Maize
Start	1647	End	1898
GI	none	Score	90
Exons	1647..1898, 1774..1887		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o2.gp	Method	AAT/GAP
Start	1928	End	2392
GI	2427703	Score	807
Exons	1928..2392		
GI Descrip.	4138722/emb|CAA70777| 8.0e-30 (Y09590) hexose transporter [Vitis vinifera]		

Seq. No.	22260	Seq. ID	OJ990525_02.9921.C49
Gene No.	46384	Strand	-
Start	1928	End	2392
Name	OJ990525_02.9921.C49.o2.tm	Method	TBLASTX:Maize
Start	1989	End	2337
GI	none	Score	494
Exons	1989..2324, 1990..2337		

Seq. No.	22261	Seq. ID	OJ990525_02.9921.C50
Gene No.	46385	Strand	-
Start	1996	End	2640
Name	OJ990525_02.9921.C50.o1.tm	Method	TBLASTX:Maize
Start	673	End	2175
GI	none	Score	103

Exons	673..873, 704..889, 705..887, 930..1088, 954..1079, 1188..1340, 1189..1341, 1195..1389, 1636..1803, 1645..1806, 2007..2150, 2009..2173, 2023..2175, 2137..2175		

Seq. No.	22261	Seq. ID	OJ990525_02.9921.C50
Gene No.	46385	Strand	-
Start	1996	End	2640
Name	OJ990525_02.9921.C50.o2.ts	Method	TBLASTX:Soybean
Start	813	End	1337
GI	none	Score	80
Exons	813..887, 815..889, 999..1079, 1014..1082, 1188..1247, 1192..1248, 1201..1263, 1248..1337		

Seq. No.	22261	Seq. ID	OJ990525_02.9921.C50
Gene No.	46385	Strand	-
Start	1996	End	2640
Name	OJ990525_02.9921.C50.o1.gp	Method	AAT/GAP
Start	1996	End	2640
GI	LIB3434-005-P1-K1-D3	Score	756
Exons	1996..2236, 2399..2640		
GI Descrip.	'5734438/emb|CAB52688.1| 1.0e-49 (AJ132223) hexose transporter [Lycopersicon esculentum]'		

Seq. No.	22261	Seq. ID	OJ990525_02.9921.C50
Gene No.	46385	Strand	-
Start	1996	End	2640
Name	OJ990525_02.9921.C50.o1.ts	Method	TBLASTX:Soybean
Start	2042	End	2592
GI	none	Score	128
Exons	2042..2179, 2043..2150, 2393..2590, 2406..2555, 2407..2592		

Seq. No.	22261	Seq. ID	OJ990525_02.9921.C50
Gene No.	46385	Strand	-
Start	1996	End	2640
Name	OJ990525_02.9921.C50.o2.tm	Method	TBLASTX:Maize
Start	2371	End	2593
GI	none	Score	195
Exons	2371..2592, 2390..2593		

Seq. No.	22262	Seq. ID	OJ990525_02.9921.C51
Gene No.	46386	Strand	
Start	361	End	1967
Name	OJ990525_02.9921.C51.o1.tm	Method	TBLASTX:Maize
Start	361	End	1967
GI	none	Score	222
Exons	361..516, 365..502, 369..503, 370..540, 669..734, 669..734, 670..735, 671..736, 1324..1401, 1329..1409, 1331..1408, 1862..1960, 1862..1960, 1866..1967		

Seq. No.	22263	Seq. ID	OJ990525_02.9921.C52
Gene No.	46387	Strand	
Start	22	End	323
Name	OJ990525_02.9921.C52.o1.tm	Method	TBLASTX:Maize
Start	22	End	323
GI	none	Score	126
Exons	22..123, 23..121, 24..128, 220..321, 224..322, 224..322, 273..323		

Seq. No.	22264	Seq. ID	OJ990525_02.9921.C53
Gene No.	46388	Strand	
Start	2	End	298
Name	OJ990525_02.9921.C53.o1.tm	Method	TBLASTX:Maize
Start	2	End	298
GI	none	Score	112
Exons	2..97, 3..101, 192..296, 197..298, 199..297		

Seq. No.	22265	Seq. ID	OJ990525_02.9921.C54
Gene No.	46389	Strand	-
Start	1	End	873
Name	OJ990525_02.9921.C54.o1.gp	Method	AAT/GAP
Start	1	End	873
GI	17582_1.R1084	Score	190
Exons	1..23, 361..436, 800..873		
GI Descrip.	'4582434/gb|AAD24820.1|AC007196_6 1.0e-41 (AC007196) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22266	Seq. ID	OJ990525_02.9921.C56
Gene No.	46390	Strand	
Start	418	End	585
Name	OJ990525_02.9921.C56.o1.ts	Method	TBLASTX:Soybean
Start	418	End	585
GI	none	Score	85
Exons	418..582, 422..553, 427..585, 428..583		

Seq. No.	22267	Seq. ID	OJ990525_02.9921.C62
Gene No.	46391	Strand	+
Start	653	End	706
Name	OJ990525_02.9921.C62.o1.gp	Method	AAT/GAP
Start	653	End	706
GI	uC-osflcyp029d06b1	Score	100
Exons	653..706		
GI Descrip.	'5524769/emb|CAB50793.1| 3.0e-11 (AJ243822) Mre11 protein [Arabidopsis thaliana]'		

Seq. No.	22268	Seq. ID	OJ990525_02.9921.C63
Gene No.	46392	Strand	+
Start	3191	End	3526
Name	OJ990525_02.9921.C63.o1.gp	Method	AAT/GAP
Start	3191	End	3526
GI	uC-osflcyp029d06b1	Score	586
Exons	3191..3526		
GI Descrip.	'5524769/emb|CAB50793.1| 3.0e-11 (AJ243822) Mre11 protein [Arabidopsis thaliana]'		

Seq. No.	22269	Seq. ID	OJ990525_02.9921.C64
Gene No.	46393	Strand	
Start	85	End	673
Name	OJ990525_02.9921.C64.o1.tc	Method	TBLASTX:Cress
Start	85	End	673
GI	none	Score	125
Exons	85..123, 202..309, 204..308, 397..432, 433..483, 602..673		

Seq. No.	22269	Seq. ID	OJ990525_02.9921.C64
Gene No.	46394	Strand	

Start	1280	End	2101
Name	OJ990525_02.9921.C64.o1.ts	Method	TBLASTX:Soybean
Start	1280	End	2101
GI	none	Score	85
Exons	1280..1444, 1284..1415, 1289..1447, 1290..1445, 1960..2100, 1961..2101		

Seq. No.	22270	Seq. ID	OJ990525_02.9921.C65
Gene No.	46395	Strand	+
Start	1636	End	2176
Name	OJ990525_02.9921.C65.o1.gp	Method	AAT/GAP
Start	1636	End	2176
GI	17582_1.R1084	Score	299
Exons	1636..1698, 1801..1839, 1962..2043, 2151..2176		
GI Descrip.	'4582434/gb|AAD24820.1|AC007196_6 1.0e-41 (AC007196) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22271	Seq. ID	OJ990525_02.9921.C69
Gene No.	46396	Strand	-
Start	430	End	741
Name	OJ990525_02.9921.C69.o1.gp	Method	AAT/GAP
Start	430	End	741
GI	17582_1.R1084	Score	573
Exons	430..741		
GI Descrip.	'4582434/gb|AAD24820.1|AC007196_6 1.0e-41 (AC007196) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22272	Seq. ID	OJ990525_02.9921.C70
Gene No.	46397	Strand	
Start	760	End	2399
Name	OJ990525_02.9921.C70.o1.ts	Method	TBLASTX:Soybean
Start	760	End	1970
GI	none	Score	88
Exons	760..840, 1123..1233, 1665..1796, 1665..1799, 1669..1797, 1669..1815, 1676..1807, 1906..1968, 1908..1970		

Seq. No.	22272	Seq. ID	OJ990525_02.9921.C70
Gene No.	46397	Strand	
Start	760	End	2399
Name	OJ990525_02.9921.C70.o1.tm	Method	TBLASTX:Maize
Start	1083	End	2399
GI	none	Score	58
Exons	1083..1172, 1123..1176, 1159..1233, 1182..1232, 1669..1815, 1670..1819, 1670..1816, 1911..2006, 1915..2004, 1921..2010, 1922..2038, 2159..2227, 2169..2234, 2346..2399		

Seq. No.	22273	Seq. ID	OJ990525_02.9921.C71
Gene No.	46398	Strand	
Start	204	End	383
Name	OJ990525_02.9921.C71.o1.ts	Method	TBLASTX:Soybean
Start	204	End	372
GI	none	Score	64
Exons	204..371, 211..372, 213..371		

Seq. No.	22273	Seq. ID	OJ990525_02.9921.C71
Gene No.	46398	Strand	
Start	204	End	383

Name	OJ990525_02.9921.C71.o1.tm	Method	TBLASTX:Maize
Start	213	End	383
GI	none	Score	156
Exons	213..365, 213..383, 214..372		

Seq. No.	22274	Seq. ID	OJ990415_05.9923.C1
Gene No.	46399	Strand	+
Start	1	End	708
Name	OJ990415_05.9923.C1.o1.np	Method	AAT/NAP
Start	1	End	708
GI	4680204	Score	535
Exons	1..708		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	22274	Seq. ID	OJ990415_05.9923.C1
Gene No.	46399	Strand	+
Start	1	End	708
Name	OJ990415_05.9923.C1.o1.gs	Method	GENSCAN
Start	5	End	508
GI	none	Score	1
Exons	5..508		

Seq. No.	22274	Seq. ID	OJ990415_05.9923.C1
Gene No.	46399	Strand	+
Start	1	End	708
Name	OJ990415_05.9923.C1.o1.tw	Method	TBLASTX:Wheat
Start	102	End	505
GI	none	Score	62
Exons	102..242, 102..212, 104..340, 104..253, 205..372, 335..505		

Seq. No.	22275	Seq. ID	OJ990415_05.9923.C3
Gene No.	46400	Strand	+
Start	304	End	654
Name	OJ990415_05.9923.C3.o1.gs	Method	GENSCAN
Start	304	End	654
GI	none	Score	.47
Exons	304..412, 631..654		

Seq. No.	22276	Seq. ID	OJ990415_05.9923.C5
Gene No.	46401	Strand	+
Start	352	End	711
Name	OJ990415_05.9923.C5.o1.gs	Method	GENSCAN
Start	352	End	711
GI	none	Score	.62
Exons	352..400, 686..711		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912
Name	OJ990415_05.9923.C6.o1.gp	Method	AAT/GAP
Start	1	End	434
GI	none	Score	619
Exons	1..277, 365..434		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912

Name	OJ990415_05.9923.C6.o1.np	Method	AAT/NAP
Start	1	End	912
GI	5932553	Score	221
Exons	1..277, 365..416, 502..575, 659..708, 792..912		
GI Descrip.	(AC009465) putative kinase [Arabidopsis thaliana]		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912
Name	OJ990415_05.9923.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	419
GI	none	Score	201
Exons	2..166, 3..164, 13..189, 128..277, 164..265, 165..278, 365..418, 365..418, 366..419		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912
Name	OJ990415_05.9923.C6.o1.gs	Method	GENSCAN
Start	28	End	852
GI	none	Score	.59
Exons	28..325, 365..449, 502..575, 659..708, 792..852		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912
Name	OJ990415_05.9923.C6.o1.ts	Method	TBLASTX:Soybean
Start	92	End	883
GI	none	Score	72
Exons	92..277, 192..278, 359..415, 366..416, 490..594, 543..575, 662..709, 790..873, 791..871, 791..883		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912
Name	OJ990415_05.9923.C6.o1.tw	Method	TBLASTX:Wheat
Start	543	End	883
GI	none	Score	56
Exons	543..575, 545..574, 545..580, 658..705, 659..709, 662..709, 786..866, 786..866, 790..873, 791..871, 791..883		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912
Name	OJ990415_05.9923.C6.o2.tm	Method	TBLASTX:Maize
Start	545	End	883
GI	none	Score	56
Exons	545..574, 545..580, 654..710, 662..709, 789..872, 790..873, 790..873, 791..883		

Seq. No.	22277	Seq. ID	OJ990415_05.9923.C6
Gene No.	46402	Strand	-
Start	1	End	912
Name	OJ990415_05.9923.C6.o2.gp	Method	AAT/GAP
Start	676	End	912
GI	60358_1.R1084	Score	193
Exons	676..708, 792..912		

GI Descrip.	'5932553/gb|AAD57008.1|AC009465_22 2.0e-76 (AC009465) putative kinase [Arabidopsis thaliana]'		
Seq. No.	22278	Seq. ID	OJ990415_05.9923.C8
Gene No.	46403	Strand	+
Start	12	End	51
Name	OJ990415_05.9923.C8.o1.gs	Method	GENSCAN
Start	12	End	51
GI	none	Score	1
Exons	12..51		
Seq. No.	22279	Seq. ID	OJ990415_05.9923.C9
Gene No.	46404	Strand	+
Start	137	End	430
Name	OJ990415_05.9923.C9.o1.gs	Method	GENSCAN
Start	137	End	430
GI	none	Score	.43
Exons	137..217, 404..430		
Seq. No.	22280	Seq. ID	OJ990415_05.9923.C10
Gene No.	46405	Strand	+
Start	635	End	946
Name	OJ990415_05.9923.C10.o1.gp	Method	AAT/GAP
Start	635	End	946
GI	72524_1.R1084	Score	419
Exons	635..946		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	22280	Seq. ID	OJ990415_05.9923.C10
Gene No.	46406	Strand	-
Start	1	End	1023
Name	OJ990415_05.9923.C10.o1.np	Method	AAT/NAP
Start	1	End	1023
GI	3492806	Score	261
Exons	1..85, 135..453, 1002..1023		
GI Descrip.	(AJ225045) adventitious rooting related oxygenase [Malus domestica]		
Seq. No.	22280	Seq. ID	OJ990415_05.9923.C10
Gene No.	46406	Strand	-
Start	1	End	1023
Name	OJ990415_05.9923.C10.o1.ts	Method	TBLASTX:Soybean
Start	124	End	452
GI	none	Score	53
Exons	124..201, 210..371, 265..354, 369..452		
Seq. No.	22280	Seq. ID	OJ990415_05.9923.C10
Gene No.	46406	Strand	-
Start	1	End	1023
Name	OJ990415_05.9923.C10.o1.gs	Method	GENSCAN
Start	135	End	688
GI	none	Score	.69
Exons	135..450, 624..688		
Seq. No.	22280	Seq. ID	OJ990415_05.9923.C10
Gene No.	46406	Strand	-

Start	1	End	1023
Name	OJ990415_05.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	233	End	473
GI	none	Score	121
Exons	233..349, 234..368, 237..362, 369..452	262..363,	271..369, 369..473,

Seq. No.	22281	Seq. ID	OJ990415_05.9923.C12
Gene No.	46407	Strand	+
Start	1006	End	1481
Name	OJ990415_05.9923.C12.o1.gs	Method	GENSCAN
Start	1006	End	1481
GI	none	Score	.53
Exons	1006..1091, 1354..1481		

Seq. No.	22282	Seq. ID	OJ990415_05.9923.C14
Gene No.	46408	Strand	+
Start	440	End	620
Name	OJ990415_05.9923.C14.o1.gs	Method	GENSCAN
Start	440	End	620
GI	none	Score	.95
Exons	440..620		

Seq. No.	22282	Seq. ID	OJ990415_05.9923.C14
Gene No.	46409	Strand	-
Start	44	End	622
Name	OJ990415_05.9923.C14.o1.gp	Method	AAT/GAP
Start	44	End	622
GI	none	Score	1031
Exons	44..622		

Seq. No.	22282	Seq. ID	OJ990415_05.9923.C14
Gene No.	46409	Strand	-
Start	44	End	622
Name	OJ990415_05.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	425	End	600
GI	none	Score	183
Exons	425..595, 452..595, 454..600,	454..600	

Seq. No.	22283	Seq. ID	OJ990415_05.9923.C15
Gene No.	46410	Strand	+
Start	1	End	304
Name	OJ990415_05.9923.C15.o1.gp	Method	AAT/GAP
Start	1	End	299
GI	36795_1.R1084	Score	460
Exons	1..299		
GI Descrip.	'3935185 5.0e-12 (AC004557) F17L21.28 [Arabidopsis thaliana]'		

Seq. No.	22283	Seq. ID	OJ990415_05.9923.C15
Gene No.	46410	Strand	+
Start	1	End	304
Name	OJ990415_05.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	304
GI	none	Score	68
Exons	1..84, 10..90, 90..164, 91..177, 166..225, 166..216, 185..304, 257..304		

Seq. No.	22284	Seq. ID	OJ990415_05.9923.C16
Gene No.	46411	Strand	-
Start	1	End	355
Name	OJ990415_05.9923.C16.o1.np	Method	AAT/NAP
Start	1	End	355
GI	3193291	Score	119
Exons	1..140, 276..355		
GI Descrip.	(AF069298) Similar to DNA mismatch repair protein; T14P8.6 [Arabidopsis thaliana]		

Seq. No.	22284	Seq. ID	OJ990415_05.9923.C16
Gene No.	46411	Strand	-
Start	1	End	355
Name	OJ990415_05.9923.C16.o1.gs	Method	GENSCAN
Start	67	End	140
GI	none	Score	.76
Exons	67..140		

Seq. No.	22285	Seq. ID	OJ990415_05.9923.C17
Gene No.	46412	Strand	+
Start	171	End	488
Name	OJ990415_05.9923.C17.o2.gp	Method	AAT/GAP
Start	171	End	488
GI	72524_1.R1084	Score	417
Exons	171..488		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	22285	Seq. ID	OJ990415_05.9923.C17
Gene No.	46413	Strand	+
Start	435	End	1629
Name	OJ990415_05.9923.C17.o1.gs	Method	GENSCAN
Start	435	End	1564
GI	none	Score	.59
Exons	435..499, 567..627, 925..1564		

Seq. No.	22285	Seq. ID	OJ990415_05.9923.C17
Gene No.	46413	Strand	+
Start	435	End	1629
Name	OJ990415_05.9923.C17.o1.np	Method	AAT/NAP
Start	864	End	1629
GI	5091513	Score	1024
Exons	864..1629		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22286	Seq. ID	OJ990415_05.9923.C18
Gene No.	46414	Strand	+
Start	1	End	1840
Name	OJ990415_05.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	1840
GI	5091513	Score	1207
Exons	1..257, 991..1840		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22287	Seq. ID	OJ990415_05.9923.C19
Gene No.	46415	Strand	+
Start	130	End	1871

Name	OJ990415_05.9923.C19.o1.gs	Method	GENSCAN
Start	130	End	1871
GI	none	Score	.82
Exons	130..551, 817..940, 987..1209, 1513..1871		

Seq. No.	22287	Seq. ID	OJ990415_05.9923.C19
Gene No.	46416	Strand	-
Start	64	End	883
Name	OJ990415_05.9923.C19.o1.np	Method	AAT/NAP
Start	64	End	883
GI	5091512	Score	1034
Exons	64..484, 532..659, 701..883		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	22287	Seq. ID	OJ990415_05.9923.C19
Gene No.	46417	Strand	-
Start	3452	End	3757
Name	OJ990415_05.9923.C19.o1.gp	Method	AAT/GAP
Start	3452	End	3557
GI	5816518	Score	154
Exons	3452..3557		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	22287	Seq. ID	OJ990415_05.9923.C19
Gene No.	46417	Strand	-
Start	3452	End	3757
Name	OJ990415_05.9923.C19.o2.gp	Method	AAT/GAP
Start	3452	End	3757
GI	72524_1.R1084	Score	415
Exons	3452..3757		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46418	Strand	+
Start	110	End	3181
Name	OJ990415_05.9923.C20.o1.np	Method	AAT/NAP
Start	110	End	373
GI	3492806	Score	176
Exons	110..373		
GI Descrip.	(AJ225045) adventitious rooting related oxygenase [Malus domestica]		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46418	Strand	+
Start	110	End	3181
Name	OJ990415_05.9923.C20.o1.gs	Method	GENSCAN
Start	128	End	3181
GI	none	Score	.53
Exons	128..235, 800..1070, 2684..2921, 2989..3181		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46419	Strand	+
Start	3804	End	4252
Name	OJ990415_05.9923.C20.o2.gp	Method	AAT/GAP

Start	3804	End	4252
GI	none	Score	889
Exons	3804..4252		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46420	Strand	+
Start	10639	End	15686
Name	OJ990415_05.9923.C20.o3.gs	Method	GENSCAN
Start	10639	End	15686
GI	none	Score	.8
Exons	10639..10690, 10987..11154, 11448..11519, 12521..12549, 12954..13276, 13402..13543, 13887..13965, 14059..14183, 14793..14894, 15004..15072, 15549..15686		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46420	Strand	+
Start	10639	End	15686
Name	OJ990415_05.9923.C20.o4.np	Method	AAT/NAP
Start	13035	End	15683
GI	6862953	Score	1071
Exons	13035..13142, 13179..13276, 13402..13543, 13887..13965, 14059..14183, 14793..14894, 15004..15072, 15158..15256, 15549..15683		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46421	Strand	+
Start	15681	End	15839
Name	OJ990415_05.9923.C20.o3.gp	Method	AAT/GAP
Start	15681	End	15839
GI	none	Score	265
Exons	15681..15839		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46422	Strand	+
Start	16996	End	18913
Name	OJ990415_05.9923.C20.o4.gp	Method	AAT/GAP
Start	16943	End	18913
GI	18112_1.R1084	Score	1723
Exons	16943..17210, 17308..17414, 18252..18433, 18528..18913		
GI Descrip.	'464621/sp|P34091|RL6_MESCR 6.0e-65 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]'		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46422	Strand	+
Start	16996	End	18913
Name	OJ990415_05.9923.C20.o5.np	Method	AAT/NAP
Start	16964	End	18680
GI	464621	Score	652
Exons	16964..17210, 17308..17414, 18252..18433, 18528..18680		
GI Descrip.	60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) gi|280374|pir||S28586 ribosomal protein ML16 - common ice plant gi|19539|emb|CAA49175| (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20

Gene No.	46422	Strand	+
Start	16996	End	18913
Name	OJ990415_05.9923.C20.o4.gs	Method	GENSCAN
Start	16996	End	18683
GI	none	Score	.83
Exons	16996..17210, 17308..17414, 18252..18433, 18528..18683		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46423	Strand	+
Start	19188	End	26490
Name	OJ990415_05.9923.C20.o5.gs	Method	GENSCAN
Start	19188	End	26490
GI	none	Score	.44
Exons	19188..19283, 19288..19330, 20876..20955, 21039..21175, 21266..21365, 21760..21971, 22901..22947, 23533..23672, 23889..23979, 24721..24812, 25102..25176, 25318..25409, 25862..25991, 26425..26490		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46424	Strand	-
Start	2441	End	2789
Name	OJ990415_05.9923.C20.o1.gp	Method	AAT/GAP
Start	2441	End	2789
GI	366_4.R1084	Score	635
Exons	2441..2789		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o6.tm	Method	TBLASTX:Maize
Start	112	End	370
GI	none	Score	187
Exons	112..273, 128..265, 280..357, 323..370		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o2.gs	Method	GENSCAN
Start	3802	End	10021
GI	none	Score	.75
Exons	3802..4191, 4299..4421, 4513..5201, 5898..6084, 6330..6380, 6464..6629, 7020..7504, 8029..8299, 8570..8654, 9973..10021		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o1.tm	Method	TBLASTX:Maize
Start	4042	End	5107
GI	none	Score	124
Exons	4042..4137, 4050..4148, 4125..4301, 4186..4293, 4308..4364, 4321..4365, 4344..4421, 4369..4422, 4513..4719, 4521..4727, 4523..4723, 4591..4965, 4808..4870, 4912..5094, 4921..5091, 4925..5107		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20

Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o2.np	Method	AAT/NAP
Start	4071	End	7483
GI	2702277	Score	1378
Exons	4071..4817, 4860..5273, 5937..6123, 6330..6380, 6464..6629, 7020..7483		
GI Descrip.	(AC003033) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o6.ts	Method	TBLASTX:Soybean
Start	4544	End	5091
GI	none	Score	68
Exons	4544..4687, 4546..4737, 4735..4818, 5014..5091		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o5.tm	Method	TBLASTX:Maize
Start	5108	End	7139
GI	none	Score	83
Exons	5108..5203, 5108..5203, 5109..5225, 5704..5814, 5714..5821, 5733..5822, 5916..6119, 5923..6120, 5941..6123, 5942..6124, 6328..6381, 6330..6383, 6330..6383, 6461..6631, 6461..6631, 6463..6633, 7001..7138, 7020..7139		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o4.ts	Method	TBLASTX:Soybean
Start	5755	End	6125
GI	none	Score	56
Exons	5755..5811, 5756..5812, 5883..6116, 5896..6123, 5897..6124, 5907..6125		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o2.tm	Method	TBLASTX:Maize
Start	7139	End	7537
GI	none	Score	409
Exons	7139..7537, 7142..7486		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o1.ts	Method	TBLASTX:Soybean
Start	7157	End	7484
GI	none	Score	285
Exons	7157..7483, 7158..7484		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813

Name	OJ990415_05.9923.C20.o3.tm	Method	TBLASTX:Maize
Start	8208	End	18812
GI	none	Score	63
Exons	8208..8297, 16989..17090, 16995..17102, 16996..17214, 17305..17409, 17305..17415, 17306..17416, 18247..18390, 18248..18433, 18255..18437, 18256..18438, 18525..18686, 18527..18682, 18528..18683, 18610..18702, 18708..18758, 18723..18812, 18731..18757, 18763..18810		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o3.np	Method	AAT/NAP
Start	8619	End	8891
GI	4539386	Score	69
Exons	8619..8891		
GI Descrip.	(AL035526) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o2.tw	Method	TBLASTX:Wheat
Start	13077	End	13528
GI	none	Score	98
Exons	13077..13145, 13085..13144, 13224..13289, 13226..13288, 13402..13476, 13403..13495, 13446..13487, 13487..13528, 13496..13528		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o3.tc	Method	TBLASTX:Cress
Start	13077	End	14096
GI	none	Score	73
Exons	13077..13142, 13224..13277, 13396..13542, 13400..13543, 13863..13958, 13884..13952, 13886..13963, 14055..14096		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o4.tm	Method	TBLASTX:Maize
Start	13080	End	15764
GI	none	Score	89
Exons	13080..13139, 13085..13138, 13220..13270, 13221..13277, 13399..13542, 13400..13543, 13403..13543, 13866..13964, 13885..13965, 13886..13963, 14034..14186, 14036..14179, 14058..14198, 14786..14890, 14790..14897, 14792..14890, 14967..15074, 15001..15075, 15001..15072, 15150..15257, 15157..15255, 15158..15259, 15544..15696, 15544..15678, 15705..15764		

Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o5.ts	Method	TBLASTX:Soybean
Start	13083	End	13964
GI	none	Score	66

Exons	13083..13142, 13224..13277, 13399..13542, 13400..13543, 13865..13963, 13866..13964		
Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o2.ts	Method	TBLASTX:Soybean
Start	14078	End	15253
GI	none	Score	142
Exons	14078..14173, 14079..14192, 14787..14897, 14789..14893, 15000..15074, 15001..15075, 15122..15244, 15157..15249, 15158..15253		
Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o2.tc	Method	TBLASTX:Cress
Start	14781	End	15226
GI	none	Score	186
Exons	14781..14897, 14781..14897, 14786..14899, 15001..15078, 15001..15072, 15003..15074, 15143..15211, 15157..15222, 15158..15226		
Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o3.ts	Method	TBLASTX:Soybean
Start	17011	End	18683
GI	none	Score	105
Exons	17011..17097, 17043..17102, 17143..17214, 17305..17415, 17306..17416, 18248..18433, 18250..18390, 18255..18434, 18268..18435, 18527..18682, 18533..18664, 18540..18683, 18540..18683		
Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o1.tc	Method	TBLASTX:Cress
Start	17014	End	18737
GI	none	Score	111
Exons	17014..17103, 17143..17214, 17305..17415, 17306..17416, 18248..18433, 18250..18369, 18252..18377, 18534..18737, 18542..18670		
Seq. No.	22288	Seq. ID	OJ990415_05.9923.C20
Gene No.	46425	Strand	-
Start	3802	End	18813
Name	OJ990415_05.9923.C20.o1.tw	Method	TBLASTX:Wheat
Start	18329	End	18813
GI	none	Score	141
Exons	18329..18433, 18329..18358, 18337..18393, 18351..18446, 18352..18435, 18525..18752, 18527..18682, 18527..18757, 18528..18722, 18610..18753, 18732..18812, 18733..18813, 18754..18813		
Seq. No.	22289	Seq. ID	OJ990415_05.9923.C21
Gene No.	46426	Strand	+

Start	77	End	1475
Name	OJ990415_05.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	71	End	1284
GI	none	Score	154
Exons	71..169, 74..169, 75..236, 85..177, 337..414, 343..414, 348..431, 351..416, 514..579, 516..581, 773..796, 774..794, 792..866, 794..865, 953..1066, 964..1101, 966..1085, 970..1089, 1220..1276, 1222..1284		

Seq. No.	22289	Seq. ID	OJ990415_05.9923.C21
Gene No.	46426	Strand	+
Start	77	End	1475
Name	OJ990415_05.9923.C21.o1.gs	Method	GENSCAN
Start	77	End	1475
GI	none	Score	.78
Exons	77..168, 296..415, 969..1089, 1314..1475		

Seq. No.	22290	Seq. ID	OJ990415_05.9923.C22
Gene No.	46427	Strand	+
Start	283	End	402
Name	OJ990415_05.9923.C22.o1.gs	Method	GENSCAN
Start	283	End	402
GI	none	Score	.8
Exons	283..402		

Seq. No.	22290	Seq. ID	OJ990415_05.9923.C22
Gene No.	46428	Strand	-
Start	1908	End	7125
Name	OJ990415_05.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	1674	End	2079
GI	none	Score	46
Exons	1674..1703, 1676..1702, 1795..1827, 1807..1827, 1901..2074, 1902..2069, 1903..2079		

Seq. No.	22290	Seq. ID	OJ990415_05.9923.C22
Gene No.	46428	Strand	-
Start	1908	End	7125
Name	OJ990415_05.9923.C22.o2.gs	Method	GENSCAN
Start	1908	End	7125
GI	none	Score	.49
Exons	1908..2351, 4707..4999, 5295..5351, 5714..5839, 6163..6351, 7020..7125		

Seq. No.	22291	Seq. ID	OJ990415_05.9923.C23
Gene No.	46429	Strand	+
Start	432	End	4207
Name	OJ990415_05.9923.C23.o1.gs	Method	GENSCAN
Start	432	End	4207
GI	none	Score	.53
Exons	432..611, 665..696, 753..785, 1426..1521, 2343..2513, 4190..4207		

Seq. No.	22291	Seq. ID	OJ990415_05.9923.C23
Gene No.	46430	Strand	-
Start	2848	End	5596
Name	OJ990415_05.9923.C23.o1.np	Method	AAT/NAP
Start	2848	End	5596
GI	2130154	Score	101

Exons	2848..2936, 4209..4381, 5544..5596		
GI Descrip.	hypothetical protein 241 - maize chloroplast gi|902268|emb|CAA60333| (X86563) ORF241 [Zea mays] gi|902303|emb|CAA60367| (X86563) ORF241 [Zea mays]		
Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46431	Strand	+
Start	1103	End	1284
Name	OJ990415_05.9923.C24.o1.gs	Method	GENSCAN
Start	1103	End	1284
GI	none	Score	.41
Exons	1103..1186, 1204..1284		
Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46432	Strand	+
Start	12668	End	13624
Name	OJ990415_05.9923.C24.o2.np	Method	AAT/NAP
Start	12668	End	13624
GI	6069646	Score	383
Exons	12668..13624		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o3.tm	Method	TBLASTX:Maize
Start	9381	End	13560
GI	none	Score	50
Exons	9381..9452, 9539..9649, 9883..9993, 10060..10350, 13043..13207, 13072..13200, 13203..13358, 13207..13560, 13479..13520		
Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o1.np	Method	AAT/NAP
Start	9771	End	11828
GI	6069646	Score	842
Exons	9771..10750, 11039..11828		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o4.tm	Method	TBLASTX:Maize
Start	10474	End	12928
GI	none	Score	104
Exons	10474..10563, 10576..10755, 10577..10756, 12674..12814, 12821..12928		

Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o1.ts	Method	TBLASTX:Soybean
Start	10654	End	11199
GI	none	Score	141
Exons	10654..10782, 10849..11199		

Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o1.tw	Method	TBLASTX:Wheat
Start	10732	End	11175
GI	none	Score	208
Exons	10732..10782, 10882..11175		

Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o1.tm	Method	TBLASTX:Maize
Start	10819	End	11517
GI	none	Score	112
Exons	10819..11505, 10820..11089, 11123..11269, 11315..11506, 11350..11517		

Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o2.tw	Method	TBLASTX:Wheat
Start	11503	End	11838
GI	none	Score	150
Exons	11503..11580, 11587..11838		

Seq. No.	22292	Seq. ID	OJ990415_05.9923.C24
Gene No.	46433	Strand	-
Start	9771	End	13560
Name	OJ990415_05.9923.C24.o2.tm	Method	TBLASTX:Maize
Start	11518	End	11838
GI	none	Score	108
Exons	11518..11838, 11530..11814, 11618..11830		

Seq. No.	22293	Seq. ID	OJ990415_05.9923.C25
Gene No.	46434	Strand	+
Start	1138	End	1650
Name	OJ990415_05.9923.C25.o1.gp	Method	AAT/GAP
Start	1138	End	1650
GI	30050_1.R1084	Score	948
Exons	1138..1650		
GI Descrip.	'4454483/gb|AAD20930| 5.0e-11 (AC006234) putative kinase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	22293	Seq. ID	OJ990415_05.9923.C25
Gene No.	46435	Strand	-
Start	1135	End	1624
Name	OJ990415_05.9923.C25.o1.gs	Method	GENSCAN
Start	1135	End	1623
GI	none	Score	.97

Exons	1135..1623		
Seq. No.	22293	Seq. ID	OJ990415_05.9923.C25
Gene No.	46435	Strand	-
Start	1135	End	1624
Name	OJ990415_05.9923.C25.o1.tm	Method	TBLASTX:Maize
Start	1470	End	1624
GI	none	Score	113
Exons	1470..1550, 1471..1557, 1541..1573, 1567..1623, 1568..1624		
Seq. No.	22294	Seq. ID	OJ990415_05.9923.C26
Gene No.	46436	Strand	+
Start	1	End	5706
Name	OJ990415_05.9923.C26.o1.np	Method	AAT/NAP
Start	1	End	5706
GI	3980411	Score	61
Exons	1..104, 267..353, 5274..5372, 5532..5706		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		
Seq. No.	22294	Seq. ID	OJ990415_05.9923.C26
Gene No.	46437	Strand	+
Start	5759	End	7280
Name	OJ990415_05.9923.C26.o1.gp	Method	AAT/GAP
Start	5759	End	7280
GI	60358_1.R1084	Score	1035
Exons	5759..5959, 6057..6123, 6379..6444, 6550..6596, 6695..6740, 6854..6934, 7022..7064, 7166..7280		
GI Descrip.	'5932553/gb|AAD57008.1|AC009465_22 2.0e-76 (AC009465) putative kinase [Arabidopsis thaliana]'		
Seq. No.	22294	Seq. ID	OJ990415_05.9923.C26
Gene No.	46437	Strand	+
Start	5759	End	7280
Name	OJ990415_05.9923.C26.o1.ts	Method	TBLASTX:Soybean
Start	5873	End	7054
GI	none	Score	125
Exons	5873..5959, 5874..5960, 6054..6137, 6055..6144, 6376..6444, 6378..6440, 6561..6602, 6562..6603, 6696..6740, 6851..6934, 6856..6933, 7012..7053, 7016..7054		
Seq. No.	22294	Seq. ID	OJ990415_05.9923.C26
Gene No.	46437	Strand	+
Start	5759	End	7280
Name	OJ990415_05.9923.C26.o2.tm	Method	TBLASTX:Maize
Start	5873	End	6142
GI	none	Score	134
Exons	5873..5962, 5874..5960, 6018..6122, 6053..6142, 6055..6129		
Seq. No.	22294	Seq. ID	OJ990415_05.9923.C26
Gene No.	46437	Strand	+
Start	5759	End	7280
Name	OJ990415_05.9923.C26.o2.np	Method	AAT/NAP
Start	5874	End	7280
GI	5932553	Score	330
Exons	5874..5959, 6057..6123, 6379..6444, 6550..6596, 6695..6740, 6854..6934, 7022..7064, 7166..7280		
GI Descrip.	(AC009465) putative kinase [Arabidopsis thaliana]		

Seq. No.	22294	Seq. ID	OJ990415_05.9923.C26
Gene No.	46437	Strand	+
Start	5759	End	7280
Name	OJ990415_05.9923.C26.o1.tm	Method	TBLASTX:Maize
Start	6381	End	7239
GI	none	Score	98
Exons	6381..6437, 6381..6443, 6382..6444, 6537..6602, 6547..6603, 6692..6739, 6696..6740, 6699..6740, 6836..6934, 6846..6926, 6853..6933, 7012..7056, 7016..7063, 7156..7239, 7164..7226		

Seq. No.	22294	Seq. ID	OJ990415_05.9923.C26
Gene No.	46437	Strand	+
Start	5759	End	7280
Name	OJ990415_05.9923.C26.o1.tw	Method	TBLASTX:Wheat
Start	6549	End	7239
GI	none	Score	83
Exons	6549..6596, 6550..6597, 6550..6597, 6666..6740, 6696..6740, 6826..6933, 6836..6934, 7012..7059, 7016..7063, 7156..7239, 7164..7226		

Seq. No.	22295	Seq. ID	OJ990415_05.9923.C27
Gene No.	46438	Strand	+
Start	1	End	306
Name	OJ990415_05.9923.C27.o1.gp	Method	AAT/GAP
Start	1	End	306
GI	none	Score	531
Exons	1..306		

Seq. No.	22295	Seq. ID	OJ990415_05.9923.C27
Gene No.	46439	Strand	+
Start	220	End	827
Name	OJ990415_05.9923.C27.o1.gs	Method	GENSCAN
Start	220	End	827
GI	none	Score	.74
Exons	220..405, 748..827		

Seq. No.	22295	Seq. ID	OJ990415_05.9923.C27
Gene No.	46439	Strand	+
Start	220	End	827
Name	OJ990415_05.9923.C27.o1.np	Method	AAT/NAP
Start	298	End	475
GI	5932553	Score	115
Exons	298..475		
GI Descrip.	(AC009465) putative kinase [Arabidopsis thaliana]		

Seq. No.	22295	Seq. ID	OJ990415_05.9923.C27
Gene No.	46440	Strand	-
Start	212	End	733
Name	OJ990415_05.9923.C27.o2.gp	Method	AAT/GAP
Start	212	End	733
GI	3767718	Score	935
Exons	212..733		

Seq. No.	22295	Seq. ID	OJ990415_05.9923.C27
Gene No.	46441	Strand	-
Start	9692	End	10012

Name	OJ990415_05.9923.C27.o1.tw	Method	TBLASTX:Wheat
Start	2	End	266
GI	none	Score	120
Exons	2..157, 2..130, 131..250, 132..266		

Seq. No.	22295	Seq. ID	OJ990415_05.9923.C27
Gene No.	46441	Strand	-
Start	9692	End	10012
Name	OJ990415_05.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	131	End	475
GI	none	Score	79
Exons	131..226, 132..227, 209..475, 213..464		

Seq. No.	22295	Seq. ID	OJ990415_05.9923.C27
Gene No.	46441	Strand	-
Start	9692	End	10012
Name	OJ990415_05.9923.C27.o3.gs	Method	GENSCAN
Start	9692	End	10012
GI	none	Score	.75
Exons	9692..10012		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46442	Strand	+
Start	1037	End	1453
Name	OJ990415_05.9923.C28.o1.gs	Method	GENSCAN
Start	1037	End	1453
GI	none	Score	.85
Exons	1037..1453		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46443	Strand	+
Start	3791	End	9150
Name	OJ990415_05.9923.C28.o1.np	Method	AAT/NAP
Start	3548	End	6269
GI	3935185	Score	399
Exons	3548..3635, 3911..4254, 5387..6112, 6140..6269		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46443	Strand	+
Start	3791	End	9150
Name	OJ990415_05.9923.C28.o1.gp	Method	AAT/GAP
Start	3586	End	5396
GI	12452_2.R1084	Score	1313
Exons	3586..4206, 5340..5396		
GI Descrip.	'3935185 4.0e-15 (AC004557) F17L21.28 [Arabidopsis thaliana]'		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46443	Strand	+
Start	3791	End	9150
Name	OJ990415_05.9923.C28.o2.gs	Method	GENSCAN
Start	3791	End	9150
GI	none	Score	.51
Exons	3791..4206, 5340..6237, 8822..8925, 8967..9150		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46443	Strand	+

Start	3791	End	9150
Name	OJ990415_05.9923.C28.o2.gp	Method	AAT/GAP
Start	5648	End	5823
GI	none	Score	335
Exons	5648..5823		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46444	Strand	-
Start	5942	End	6474
Name	OJ990415_05.9923.C28.o2.tm	Method	TBLASTX:Maize
Start	3786	End	4203
GI	none	Score	52
Exons	3786..3833, 3822..3836, 3902..4201, 3913..4029, 4090..4203		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46444	Strand	-
Start	5942	End	6474
Name	OJ990415_05.9923.C28.o1.tm	Method	TBLASTX:Maize
Start	5345	End	5730
GI	none	Score	227
Exons	5345..5599, 5355..5600, 5355..5729, 5356..5730		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46444	Strand	-
Start	5942	End	6474
Name	OJ990415_05.9923.C28.o3.tm	Method	TBLASTX:Maize
Start	5936	End	6237
GI	none	Score	77
Exons	5936..5986, 5937..5987, 5941..6003, 5992..6237, 6031..6234		

Seq. No.	22296	Seq. ID	OJ990415_05.9923.C28
Gene No.	46444	Strand	-
Start	5942	End	6474
Name	OJ990415_05.9923.C28.o3.gp	Method	AAT/GAP
Start	5942	End	6474
GI	36795_1.R1084	Score	942
Exons	5942..6474		
GI Descrip.	'3935185 5.0e-12 (AC004557) F17L21.28 [Arabidopsis thaliana]'		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46445	Strand	+
Start	136	End	1739
Name	OJ990415_05.9923.C29.o1.gs	Method	GENSCAN
Start	136	End	1739
GI	none	Score	.55
Exons	136..363, 543..1739		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46445	Strand	+
Start	136	End	1739
Name	OJ990415_05.9923.C29.o1.np	Method	AAT/NAP
Start	480	End	1528
GI	130582	Score	546
Exons	480..1528		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco		

gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46446	Strand	+
Start	7112	End	9279
Name	OJ990415_05.9923.C29.o2.np	Method	AAT/NAP
Start	7112	End	9279
GI	3935185	Score	459
Exons	7112..7193, 7760..8039, 8334..9124, 9152..9279		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46446	Strand	+
Start	7112	End	9279
Name	OJ990415_05.9923.C29.o3.gs	Method	GENSCAN
Start	7663	End	8070
GI	none	Score	.98
Exons	7663..8070		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46446	Strand	+
Start	7112	End	9279
Name	OJ990415_05.9923.C29.o1.gp	Method	AAT/GAP
Start	8428	End	8756
GI	700222	Score	650
Exons	8428..8756		
GI Descrip.	3935185 5.0e-12 (AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46447	Strand	+
Start	10018	End	10443
Name	OJ990415_05.9923.C29.o2.gp	Method	AAT/GAP
Start	10018	End	10443
GI	LIB3479-006-Q6-K1-B11	Score	632
Exons	10018..10443		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46448	Strand	+
Start	15942	End	16022
Name	OJ990415_05.9923.C29.o3.gp	Method	AAT/GAP
Start	15942	End	16022
GI	38012_1.R1084	Score	103
Exons	15942..16022		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46449	Strand	+
Start	18818	End	19051
Name	OJ990415_05.9923.C29.o6.gp	Method	AAT/GAP
Start	18818	End	19051
GI	5004924	Score	364
Exons	18818..19051		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29

Gene No.	46450	Strand	-
Start	7639	End	10237
Name	OJ990415_05.9923.C29.o3.np	Method	AAT/NAP
Start	7639	End	10237
GI	6539570	Score	174
Exons	7639..7718, 9804..9886, 10034..10237		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46451	Strand	-
Start	11869	End	15441
Name	OJ990415_05.9923.C29.o5.gs	Method	GENSCAN
Start	11869	End	15441
GI	none	Score	.65
Exons	11869..11993, 13128..13351, 13515..13660, 13675..13806, 14274..14301, 15188..15441		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46452	Strand	-
Start	20817	End	21268
Name	OJ990415_05.9923.C29.o2.tm	Method	TBLASTX:Maize
Start	7732	End	21268
GI	none	Score	114
Exons	7732..7848, 7750..7860, 7788..7853, 7851..8027, 7851..8027, 7852..8061, 20943..21062, 20961..21059, 20963..21061, 20981..21067, 20998..21066, 21068..21268, 21070..21267		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46452	Strand	-
Start	20817	End	21268
Name	OJ990415_05.9923.C29.o1.tm	Method	TBLASTX:Maize
Start	8366	End	16409
GI	none	Score	186
Exons	8366..8632, 8367..8693, 8367..8717, 8371..8724, 8374..8718, 16067..16204, 16068..16340, 16069..16389, 16084..16230, 16086..16409		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46452	Strand	-
Start	20817	End	21268
Name	OJ990415_05.9923.C29.o3.tm	Method	TBLASTX:Maize
Start	8963	End	17185
GI	none	Score	64
Exons	8963..9043, 8964..9044, 8964..9047, 8965..9045, 9030..9242, 9049..9246, 9049..9246, 16882..16929, 16882..17001, 16970..17020, 17009..17095, 17022..17096, 17096..17176, 17102..17185		

Seq. No.	22297	Seq. ID	OJ990415_05.9923.C29
Gene No.	46452	Strand	-
Start	20817	End	21268
Name	OJ990415_05.9923.C29.o7.gs	Method	GENSCAN
Start	20817	End	21266
GI	none	Score	.44
Exons	20817..21020, 21038..21266		

Seq. No.	22298	Seq. ID	OJ990415_05.9923.C30

Gene No.	46453	Strand	-
Start	195	End	1945
Name	OJ990415_05.9923.C30.o1.gs	Method	GENSCAN
Start	195	End	1945
GI	none	Score	.93
Exons	195..267, 352..462, 560..733,	843..1528, 1530..1672, 1798..1945	

Seq. No.	22298	Seq. ID	OJ990415_05.9923.C30
Gene No.	46453	Strand	-
Start	195	End	1945
Name	OJ990415_05.9923.C30.o1.tw	Method	TBLASTX:Wheat
Start	393	End	916
GI	none	Score	68
Exons	393..464, 565..747, 572..697,	836..916	

Seq. No.	22299	Seq. ID	OJ990415_05.9923.C31
Gene No.	46454	Strand	-
Start	1	End	529
Name	OJ990415_05.9923.C31.o1.np	Method	AAT/NAP
Start	1	End	529
GI	5091513	Score	856
Exons	1..529		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22299	Seq. ID	OJ990415_05.9923.C31
Gene No.	46454	Strand	-
Start	1	End	529
Name	OJ990415_05.9923.C31.o1.gs	Method	GENSCAN
Start	58	End	382
GI	none	Score	.55
Exons	58..382		

Seq. No.	22300	Seq. ID	OJ990415_05.9923.C32
Gene No.	46455	Strand	-
Start	115	End	930
Name	OJ990415_05.9923.C32.o1.np	Method	AAT/NAP
Start	115	End	514
GI	3492806	Score	226
Exons	115..514		
GI Descrip.	(AJ225045) adventitious rooting related oxygenase [Malus domestica]		

Seq. No.	22300	Seq. ID	OJ990415_05.9923.C32
Gene No.	46455	Strand	-
Start	115	End	930
Name	OJ990415_05.9923.C32.o1.ts	Method	TBLASTX:Soybean
Start	149	End	497
GI	5753428	Score	149
Exons	149..496, 174..497		
GI Descrip.	3492806/emb_CAA12386_ 2.0e-54 (AJ225045) adventitious rooting related oxygenase [Malus domestica]		

Seq. No.	22300	Seq. ID	OJ990415_05.9923.C32
Gene No.	46455	Strand	-
Start	115	End	930
Name	OJ990415_05.9923.C32.o1.tm	Method	TBLASTX:Maize
Start	158	End	490

GI	none	Score	257
Exons	158..490, 159..404, 440..490		

Seq. No.	22300	Seq. ID	OJ990415_05.9923.C32
Gene No.	46455	Strand	-
Start	115	End	930
Name	OJ990415_05.9923.C32.o1.gs	Method	GENSCAN
Start	159	End	930
GI	none	Score	.48
Exons	159..589, 773..930		

Seq. No.	22300	Seq. ID	OJ990415_05.9923.C32
Gene No.	46455	Strand	-
Start	115	End	930
Name	OJ990415_05.9923.C32.o1.tc	Method	TBLASTX:Cress
Start	201	End	406
GI	none	Score	118
Exons	201..401, 209..406		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46456	Strand	+
Start	15972	End	18856
Name	OJ990415_05.9923.C33.o1.gp	Method	AAT/GAP
Start	15972	End	18856
GI	none	Score	1522
Exons	15972..16152, 16478..16567, 18308..18856		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46456	Strand	+
Start	15972	End	18856
Name	OJ990415_05.9923.C33.o2.np	Method	AAT/NAP
Start	16083	End	18437
GI	6714455	Score	249
Exons	16083..16152, 16477..16567, 18308..18437		
GI Descrip.	(AC011620) unknown protein [Arabidopsis thaliana]		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46457	Strand	+
Start	23921	End	25024
Name	OJ990415_05.9923.C33.o4.gs	Method	GENSCAN
Start	23921	End	24980
GI	none	Score	.66
Exons	23921..24184, 24288..24980		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46457	Strand	+
Start	23921	End	25024
Name	OJ990415_05.9923.C33.o3.np	Method	AAT/NAP
Start	24310	End	25024
GI	6815062	Score	376
Exons	24310..25024		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46458	Strand	-

Start	23	End	12778
Name	OJ990415_05.9923.C33.o1.gs	Method	GENSCAN
Start	23	End	12764
GI	none	Score	.82
Exons	23..39, 106..354, 511..696, 1397..1499, 1923..2063, 2638..2698, 2944..3065, 3531..3730, 3951..4046, 7315..7414, 7697..7878, 7959..8062, 8762..8827, 9002..9075, 9872..9998, 10086..10336, 10715..11941, 12080..12216, 12245..12764		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46458	Strand	-
Start	23	End	12778
Name	OJ990415_05.9923.C33.o1.np	Method	AAT/NAP
Start	7259	End	12778
GI	3193291	Score	1615
Exons	7259..7414, 7697..7878, 7959..8062, 8762..8827, 9002..9075, 9211..9290, 9898..10085, 10975..11725, 11786..11941, 12133..12468, 12518..12778		
GI Descrip.	(AF069298) Similar to DNA mismatch repair protein; T14P8.6 [Arabidopsis thaliana]		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46459	Strand	-
Start	13544	End	16562
Name	OJ990415_05.9923.C33.o2.gs	Method	GENSCAN
Start	13544	End	16562
GI	none	Score	.4
Exons	13544..13660, 13690..13799, 16493..16562		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o5.tm	Method	TBLASTX:Maize
Start	107	End	334
GI	none	Score	212
Exons	107..334, 108..332, 119..334		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o1.tw	Method	TBLASTX:Wheat
Start	506	End	1501
GI	none	Score	244
Exons	506..754, 510..740, 1389..1475, 1391..1489, 1393..1500, 1394..1501		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o3.ts	Method	TBLASTX:Soybean
Start	1909	End	3580
GI	none	Score	92
Exons	1909..2049, 1920..2063, 1931..2047, 2614..2700, 2927..3067, 2943..3092, 2943..3068, 3512..3580		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-

Start	18280	End	23222
Name	OJ990415_05.9923.C33.o4.tm	Method	TBLASTX:Maize
Start	7305	End	7882
GI	none	Score	121
Exons	7305..7415, 7316..7417, 7316..7417, 7694..7882, 7694..7882		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o2.ts	Method	TBLASTX:Soybean
Start	7325	End	8031
GI	none	Score	72
Exons	7325..7417, 7335..7394, 7694..7864, 7694..7849, 7838..7879, 7954..8031, 7967..8002		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o8.tm	Method	TBLASTX:Maize
Start	9211	End	10162
GI	none	Score	118
Exons	9211..9285, 9212..9280, 9218..9292, 9865..9999, 9865..9999, 9866..10000, 9869..10000, 10081..10152, 10083..10160, 10085..10162		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o2.tm	Method	TBLASTX:Maize
Start	11605	End	12216
GI	none	Score	301
Exons	11605..11955, 11624..11956, 12125..12211, 12127..12210, 12130..12216		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o6.tm	Method	TBLASTX:Maize
Start	12561	End	12753
GI	none	Score	235
Exons	12561..12752, 12562..12753		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o7.tm	Method	TBLASTX:Maize
Start	16076	End	18447
GI	none	Score	121
Exons	16076..16153, 16077..16154, 16104..16154, 16472..16570, 16473..16577, 16476..16568, 16477..16569, 18300..18446, 18305..18445, 18364..18447		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o3.gs	Method	GENSCAN
Start	18280	End	23222

GI	none	Score	.76
Exons	18280..18460, 20006..20340, 20727..20914, 21026..21085, 21688..22074, 22558..22851, 23162..23222		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o1.tm	Method	TBLASTX:Maize
Start	19611	End	20996
GI	none	Score	42
Exons	19611..19667, 19665..19724, 19666..19737, 20006..20341, 20007..20342, 20008..20370, 20008..20343, 20726..20983, 20727..20996, 20727..20990		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o1.tc	Method	TBLASTX:Cress
Start	20718	End	21084
GI	none	Score	176
Exons	20718..21077, 20719..20979, 20739..21077, 21043..21084		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46460	Strand	-
Start	18280	End	23222
Name	OJ990415_05.9923.C33.o1.ts	Method	TBLASTX:Soybean
Start	20769	End	21089
GI	none	Score	146
Exons	20769..20990, 20776..20967, 20785..21000, 21027..21089, 21031..21087		

Seq. No.	22301	Seq. ID	OJ990415_05.9923.C33
Gene No.	46461	Strand	
Start	23980	End	24464
Name	OJ990415_05.9923.C33.o3.tm	Method	TBLASTX:Maize
Start	23980	End	24464
GI	none	Score	59
Exons	23980..24096, 23985..24116, 24121..24183, 24122..24184, 24242..24457, 24285..24464, 24285..24461		

Seq. No.	22302	Seq. ID	OJ990415_05.9923.C34
Gene No.	46462	Strand	+
Start	199	End	606
Name	OJ990415_05.9923.C34.o1.gs	Method	GENSCAN
Start	199	End	606
GI	none	Score	.7
Exons	199..310, 527..606		

Seq. No.	22303	Seq. ID	OJ990415_05.9923.C35
Gene No.	46463	Strand	-
Start	1	End	1305
Name	OJ990415_05.9923.C35.o1.np	Method	AAT/NAP
Start	1	End	1305
GI	5932553	Score	166
Exons	1..118, 202..283, 1057..1103, 1205..1305		
GI Descrip.	(AC009465) putative kinase [Arabidopsis thaliana]		

Seq. No.	22303	Seq. ID	OJ990415_05.9923.C35
Gene No.	46463	Strand	-
Start	1	End	1305
Name	OJ990415_05.9923.C35.o1.tm	Method	TBLASTX:Maize
Start	64	End	1262
GI	none	Score	80
Exons	64..120, 72..119, 200..283, 200..283, 1030..1113, 1043..1105, 1206..1262, 1213..1257		

Seq. No.	22303	Seq. ID	OJ990415_05.9923.C35
Gene No.	46463	Strand	-
Start	1	End	1305
Name	OJ990415_05.9923.C35.o1.tw	Method	TBLASTX:Wheat
Start	68	End	1276
GI	none	Score	77
Exons	68..115, 69..119, 72..119, 196..276, 196..276, 200..283, 201..281, 1030..1113, 1043..1105, 1206..1262, 1210..1257, 1214..1276		

Seq. No.	22303	Seq. ID	OJ990415_05.9923.C35
Gene No.	46463	Strand	-
Start	1	End	1305
Name	OJ990415_05.9923.C35.o1.gs	Method	GENSCAN
Start	69	End	1274
GI	none	Score	.88
Exons	69..118, 202..283, 997..1103, 1205..1274		

Seq. No.	22303	Seq. ID	OJ990415_05.9923.C35
Gene No.	46463	Strand	-
Start	1	End	1305
Name	OJ990415_05.9923.C35.o1.ts	Method	TBLASTX:Soybean
Start	72	End	1244
GI	none	Score	106
Exons	72..119, 200..283, 201..281, 1078..1113, 1203..1244		

Seq. No.	22303	Seq. ID	OJ990415_05.9923.C35
Gene No.	46463	Strand	-
Start	1	End	1305
Name	OJ990415_05.9923.C35.o1.gp	Method	AAT/GAP
Start	86	End	1305
GI	60358_1.R1084	Score	329
Exons	86..118, 202..283, 1057..1103, 1205..1305		
GI Descrip.	'5932553/gb|AAD57008.1|AC009465_22 2.0e-76 (AC009465) putative kinase [Arabidopsis thaliana]'		

Seq. No.	22304	Seq. ID	OJ990415_05.9923.C36
Gene No.	46464	Strand	-
Start	1	End	425
Name	OJ990415_05.9923.C36.o1.np	Method	AAT/NAP
Start	1	End	425
GI	5091513	Score	485
Exons	1..425		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22304	Seq. ID	OJ990415_05.9923.C36
Gene No.	46464	Strand	-
Start	1	End	425

Name	OJ990415_05.9923.C36.o1.gs	Method	GENSCAN
Start	68	End	386
GI	none	Score	.95
Exons	68..386		

Seq. No.	22305	Seq. ID	OJ990415_05.9923.C39
Gene No.	46465	Strand	+
Start	169	End	354
Name	OJ990415_05.9923.C39.o1.gs	Method	GENSCAN
Start	169	End	354
GI	none	Score	.97
Exons	169..354		

Seq. No.	22305	Seq. ID	OJ990415_05.9923.C39
Gene No.	46466	Strand	+
Start	667	End	810
Name	OJ990415_05.9923.C39.o1.gp	Method	AAT/GAP
Start	667	End	810
GI	21474_1.R1084	Score	232
Exons	667..810		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22306	Seq. ID	OJ990415_05.9923.C42
Gene No.	46467	Strand	-
Start	1	End	484
Name	OJ990415_05.9923.C42.o1.np	Method	AAT/NAP
Start	1	End	484
GI	130582	Score	345
Exons	1..484		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	22307	Seq. ID	OJ990415_05.9923.C43
Gene No.	46468	Strand	-
Start	77	End	299
Name	OJ990415_05.9923.C43.o1.gs	Method	GENSCAN
Start	77	End	299
GI	none	Score	.53
Exons	77..299		

Seq. No.	22308	Seq. ID	OJ990415_05.9923.C44
Gene No.	46469	Strand	+
Start	127	End	161
Name	OJ990415_05.9923.C44.o1.gs	Method	GENSCAN
Start	127	End	161
GI	none	Score	.52
Exons	127..161		

Seq. No.	22309	Seq. ID	OJ990415_01.9922.C1
Gene No.	46470	Strand	+
Start	343	End	777
Name	OJ990415_01.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	293	End	777
GI	none	Score	140

Exons	293..484, 294..383, 298..522, 312..524, 334..525, 338..526, 516..773, 528..773, 529..777		
Seq. No.	22309	Seq. ID	OJ990415_01.9922.C1
Gene No.	46470	Strand	+
Start	343	End	777
Name	OJ990415_01.9922.C1.o1.gs	Method	GENSCAN
Start	343	End	664
GI	none	Score	.65
Exons	343..664		
Seq. No.	22309	Seq. ID	OJ990415_01.9922.C1
Gene No.	46470	Strand	+
Start	343	End	777
Name	OJ990415_01.9922.C1.o1.np	Method	AAT/NAP
Start	484	End	777
GI	6016737	Score	247
Exons	484..777		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091741|gb|AAF03453.1|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	22309	Seq. ID	OJ990415_01.9922.C1
Gene No.	46470	Strand	+
Start	343	End	777
Name	OJ990415_01.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	493	End	777
GI	none	Score	281
Exons	493..777, 525..773		
Seq. No.	22309	Seq. ID	OJ990415_01.9922.C1
Gene No.	46470	Strand	+
Start	343	End	777
Name	OJ990415_01.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	529	End	771
GI	none	Score	81
Exons	529..600, 531..599, 615..758, 616..771		
Seq. No.	22310	Seq. ID	OJ990415_01.9922.C2
Gene No.	46471	Strand	+
Start	1	End	868
Name	OJ990415_01.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	868
GI	119714	Score	222
Exons	1..26, 84..868		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		
Seq. No.	22310	Seq. ID	OJ990415_01.9922.C2
Gene No.	46471	Strand	+
Start	1	End	868
Name	OJ990415_01.9922.C2.o1.gs	Method	GENSCAN
Start	721	End	858
GI	none	Score	.8
Exons	721..858		

Seq. No.	22311	Seq. ID	OJ990415_01.9922.C6
Gene No.	46472	Strand	-
Start	446	End	645
Name	OJ990415_01.9922.C6.o1.gs	Method	GENSCAN
Start	446	End	645
GI	none	Score	.77
Exons	446..531, 573..645		

Seq. No.	22312	Seq. ID	OJ990415_01.9922.C11
Gene No.	46473	Strand	-
Start	119	End	2859
Name	OJ990415_01.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	97	End	741
GI	none	Score	161
Exons	97..231, 98..205, 109..207, 192..269, 196..270, 199..261, 206..271, 348..581, 349..582, 350..583, 351..581, 577..729, 584..739, 585..740, 585..740, 592..741		

Seq. No.	22312	Seq. ID	OJ990415_01.9922.C11
Gene No.	46473	Strand	-
Start	119	End	2859
Name	OJ990415_01.9922.C11.o1.np	Method	AAT/NAP
Start	103	End	1214
GI	4559351	Score	354
Exons	103..265, 350..1010, 1138..1214		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22312	Seq. ID	OJ990415_01.9922.C11
Gene No.	46473	Strand	-
Start	119	End	2859
Name	OJ990415_01.9922.C11.o1.gs	Method	GENSCAN
Start	119	End	2859
GI	none	Score	.84
Exons	119..265, 350..1003, 1081..1169, 2823..2859		

Seq. No.	22312	Seq. ID	OJ990415_01.9922.C11
Gene No.	46473	Strand	-
Start	119	End	2859
Name	OJ990415_01.9922.C11.o1.gp	Method	AAT/GAP
Start	674	End	961
GI	568707	Score	485
Exons	674..961		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46474	Strand	+
Start	1	End	5069
Name	OJ990415_01.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	1522
GI	6016737	Score	284
Exons	1..45, 1094..1522		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091741|gb|AAF03453.1|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46474	Strand	+

Start	1	End	5069
Name	OJ990415_01.9922.C13.o1.gs	Method	GENSCAN
Start	388	End	4982
GI	none	Score	.68
Exons	388..567, 844..1582, 1660..1708, 1792..1856, 1966..2020, 2763..2813, 3538..3604, 4434..4629, 4713..4982		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46474	Strand	+
Start	1	End	5069
Name	OJ990415_01.9922.C13.o1.gp	Method	AAT/GAP
Start	1368	End	2132
GI	12484_1.R1084	Score	717
Exons	1368..1582, 1660..1708, 1792..1856, 1966..2020, 2094..2132		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46474	Strand	+
Start	1	End	5069
Name	OJ990415_01.9922.C13.o2.gp	Method	AAT/GAP
Start	3346	End	5069
GI	52805_1.R1084	Score	1148
Exons	3346..3417, 3538..3604, 4508..4629, 4713..5069		
GI Descrip.	'6016737/gb|AAF01563.1|AC009325_33 4.0e-09 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46475	Strand	+
Start	6567	End	6987
Name	OJ990415_01.9922.C13.o3.gp	Method	AAT/GAP
Start	6567	End	6987
GI	none	Score	810
Exons	6567..6987		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46476	Strand	+
Start	7149	End	7583
Name	OJ990415_01.9922.C13.o4.gp	Method	AAT/GAP
Start	7149	End	7583
GI	LIB3431-043-P1-K1-B9	Score	843
Exons	7149..7583		
GI Descrip.	'732174/sp|P34498|YMS2_CAEEL 3.0e-54 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE K03H1.2 >gi_3878176_emb_CAA82662.1_ (Z29560) similar to DEAH subfamily RNA helicases, especially yeast pre-mRNA splicing factors 22 and 16; cDNA EST EMBL:D27770 comes from this gene; cDNA EST EMBL:D27769 comes from this gene; cDNA EST EMBL:D36247 comes from thi... >gi_4249768_gb_A'		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	885	End	3609

GI	none	Score	140
Exons	885..1076, 886..975, 890..1114, 904..1116, 930..1118, 1101..1484, 1108..1539, 1121..1540, 1498..1608, 1499..1585, 1638..1706, 1648..1713, 1660..1713, 2090..2170, 2092..2169, 3307..3417, 3320..3418, 3321..3416, 3337..3417, 3526..3609, 3534..3554, 3539..3604		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	1085	End	3417
GI	none	Score	370
Exons	1085..1435, 1117..1437, 3337..3417		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o3.tc	Method	TBLASTX:Cress
Start	1121	End	1429
GI	none	Score	81
Exons	1121..1192, 1123..1191, 1207..1428, 1208..1429		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o6.tm	Method	TBLASTX:Maize
Start	4505	End	5001
GI	none	Score	143
Exons	4505..4627, 4506..4643, 4713..4826, 4713..4826, 4829..4948, 4830..4958, 4836..4958, 4894..5001, 4894..4935, 4922..4981		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o2.np	Method	AAT/NAP
Start	6756	End	12859
GI	3024898	Score	2741
Exons	6756..8361, 8450..8602, 8697..8758, 9047..9295, 9645..9812, 9905..10134, 10750..10891, 12794..12859		
GI Descrip.	PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE PRP16 (KIAA0224) (HA4657) gi|1504028|dbj|BAA13213| (D86977) similar to putative ATP-dependent RNA helicase K03H1.2 of C.elegans(S41025) [Homo sapiens] gi|3123906 (AF038391) pre-mRNA splicing factor [Homo sapiens]		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o2.gs	Method	GENSCAN
Start	6765	End	14560
GI	none	Score	.85
Exons	6765..8334, 8450..8602, 8697..8758, 9047..9295, 9645..9824, 9905..10134, 10750..10927, 11519..11624, 11979..12076, 12876..13006, 13101..13280, 13372..13636, 13750..13820, 13900..14115, 14340..14460, 14555..14560		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	6906	End	7128
GI	none	Score	217
Exons	6906..7127, 6952..7128		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	6909	End	8087
GI	none	Score	440
Exons	6909..7526, 6952..7365, 6975..7520, 7384..7524, 7527..7718, 7540..7863, 7548..8087, 7712..7996, 7773..8087		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	6981	End	10135
GI	none	Score	80
Exons	6981..7100, 6988..7068, 7116..8138, 7288..7443, 7582..7650, 7587..7844, 7771..7863, 7927..8139, 8154..8354, 8209..8352, 8455..8616, 8465..8602, 8699..8761, 8708..8761, 9047..9262, 9051..9263, 9135..9296, 9980..10135		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	7129	End	7729
GI	none	Score	706
Exons	7129..7683, 7131..7718, 7442..7729		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o8.tm	Method	TBLASTX:Maize
Start	7761	End	8012
GI	none	Score	193
Exons	7761..8012		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	8014	End	8743
GI	none	Score	384
Exons	8014..8361, 8014..8358, 8016..8360, 8054..8374, 8175..8372, 8449..8607, 8450..8602, 8452..8604, 8689..8742, 8696..8743		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o4.ts	Method	TBLASTX:Soybean

Start	8334	End	9131
GI	none	Score	184
Exons	8334..8357, 8438..8644, 8450..8599, 8452..8607, 8696..8761, 9047..9130, 9047..9130, 9048..9131		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o7.tm	Method	TBLASTX:Maize
Start	9047	End	9298
GI	none	Score	301
Exons	9047..9298, 9047..9262		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	9137	End	10067
GI	none	Score	59
Exons	9137..9259, 9145..9231, 9171..9260, 9256..9297, 9642..9740, 9643..9753, 9744..9827, 9745..9822, 9899..10063, 9899..10066, 9900..10067		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o2.tc	Method	TBLASTX:Cress
Start	9637	End	9979
GI	none	Score	100
Exons	9637..9753, 9642..9740, 9744..9827, 9745..9822, 9899..9979, 9900..9977		

Seq. No.	22313	Seq. ID	OJ990415_01.9922.C13
Gene No.	46477	Strand	-
Start	6765	End	14560
Name	OJ990415_01.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	9647	End	12040
GI	none	Score	61
Exons	9647..9700, 9648..9827, 9649..9825, 9649..9828, 9899..10021, 9900..10022, 9955..10134, 9990..10133, 10016..10150, 10019..10135, 10741..10926, 10745..10927, 10750..10932, 10752..10931, 11519..11623, 11520..11624, 11521..11625, 11968..12033, 11975..12040		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46478	Strand	+
Start	379	End	7184
Name	OJ990415_01.9922.C15.o1.gs	Method	GENSCAN
Start	379	End	5039
GI	none	Score	.46
Exons	379..441, 1197..1266, 2790..3315, 4087..4148, 4742..5039		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46478	Strand	+
Start	379	End	7184
Name	OJ990415_01.9922.C15.o1.np	Method	AAT/NAP
Start	2999	End	6762

GI	3150408	Score	203
Exons	2999..3315, 5939..6171, 6558..6762		
GI Descrip.	(AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46478	Strand	+
Start	379	End	7184
Name	OJ990415_01.9922.C15.o2.gs	Method	GENSCAN
Start	5960	End	7184
GI	none	Score	.85
Exons	5960..6171, 6558..6712, 6925..7001, 7077..7184		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	3130	End	3318
GI	none	Score	254
Exons	3130..3315, 3136..3318		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	5788	End	6115
GI	none	Score	40
Exons	5788..5841, 5891..5965, 5910..5963, 5914..5964, 5968..6096, 5969..6115, 5969..6115		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o3.gs	Method	GENSCAN
Start	7407	End	12087
GI	none	Score	.92
Exons	7407..7589, 8686..8760, 8842..8931, 9011..9073, 9164..9361, 9478..9579, 10781..10929, 11641..11710, 11965..12087		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o1.gp	Method	AAT/GAP
Start	7892	End	8784
GI	75834_1.R1084	Score	939
Exons	7892..8309, 8686..8784		
GI Descrip.	'5816992/emb|CAB53647.1| 9.0e-18 (AL110123) putative protein [Arabidopsis thaliana]'		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	8184	End	12090
GI	none	Score	111
Exons	8184..8309, 8192..8311, 8193..8312, 8194..8313, 8680..8775, 8688..8762, 8705..8773, 8831..8932, 8839..8931, 8840..8932, 8841..8933, 8877..8954, 9008..9070, 9008..9070, 9024..9074,		

9162..9356, 9163..9336, 9167..9361, 9167..9367, 9250..9372,
9477..9584, 9478..9621, 9478..9582, 9479..9583, 10776..10853,
10780..10929, 10781..10930, 10781..10930, 11630..11713,
11631..11711, 11638..11715, 11950..12090, 11965..12090

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o2.np	Method	AAT/NAP
Start	8193	End	12142
GI	5816992	Score	750
Exons	8193..8309, 8686..8760, 8842..8931, 9164..9361, 9478..9579, 10781..10929, 11641..11710, 11965..12142		
GI Descrip.	(AL110123) putative protein [Arabidopsis thaliana]		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	8220	End	9344
GI	none	Score	87
Exons	8220..8309, 8221..8298, 8680..8778, 8837..8932, 8839..8931, 9008..9085, 9161..9334, 9164..9331, 9198..9344		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o2.gp	Method	AAT/GAP
Start	9331	End	10944
GI	4968800	Score	460
Exons	9331..9361, 9478..9579, 10781..10944		
GI Descrip.	5816992/emb|CAB53647.1| 4.0e-24 (AL110123) putative protein [Arabidopsis thaliana]		

Seq. No.	22314	Seq. ID	OJ990415_01.9922.C15
Gene No.	46479	Strand	-
Start	7407	End	12142
Name	OJ990415_01.9922.C15.o2.tw	Method	TBLASTX:Wheat
Start	10793	End	12090
GI	none	Score	99
Exons	10793..10930, 10795..10929, 10796..10930, 11630..11713, 11631..11711, 11638..11712, 11950..12090, 11965..12090		

Seq. No.	22315	Seq. ID	OJ990415_01.9922.C16
Gene No.	46480	Strand	+
Start	136	End	3032
Name	OJ990415_01.9922.C16.o1.gs	Method	GENSCAN
Start	136	End	3032
GI	none	Score	.4
Exons	136..402, 2834..3032		

Seq. No.	22316	Seq. ID	OJ990415_01.9922.C17
Gene No.	46481	Strand	-
Start	783	End	1960
Name	OJ990415_01.9922.C17.o1.gs	Method	GENSCAN
Start	783	End	1960
GI	none	Score	.41

Exons	783..888, 1798..1960		
Seq. No.	22317	Seq. ID	OJ990415_01.9922.C18
Gene No.	46482	Strand	+
Start	2166	End	11508
Name	OJ990415_01.9922.C18.o1.np	Method	AAT/NAP
Start	2166	End	9902
GI	2654606	Score	153
Exons	2166..2287, 7908..7995, 8061..8161, 8244..8333, 8445..8588, 9527..9713, 9835..9902		
GI Descrip.	(AF011387) putative mitotic checkpoint protein kinase [Homo sapiens]		
Seq. No.	22317	Seq. ID	OJ990415_01.9922.C18
Gene No.	46482	Strand	+
Start	2166	End	11508
Name	OJ990415_01.9922.C18.o1.gs	Method	GENSCAN
Start	2426	End	11508
GI	none	Score	.85
Exons	2426..2608, 2872..3139, 4585..4828, 5631..5790, 5878..6035, 6146..6239, 7413..7523, 7603..7690, 7909..8012, 8090..8161, 8244..8333, 8445..8602, 9432..9486, 9579..9713, 9835..9956, 10208..10340, 10884..10985, 11338..11508		
Seq. No.	22317	Seq. ID	OJ990415_01.9922.C18
Gene No.	46482	Strand	+
Start	2166	End	11508
Name	OJ990415_01.9922.C18.o1.gp	Method	AAT/GAP
Start	8075	End	8340
GI	3107328	Score	288
Exons	8075..8161, 8244..8340		
GI Descrip.	4454483/gb|AAD20930| 5.0e-11 (AC006234) putative kinase, 5' partial [Arabidopsis thaliana]		
Seq. No.	22317	Seq. ID	OJ990415_01.9922.C18
Gene No.	46483	Strand	-
Start	12052	End	14678
Name	OJ990415_01.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	4623	End	5790
GI	none	Score	206
Exons	4623..4655, 4767..4829, 5628..5789, 5629..5790		
Seq. No.	22317	Seq. ID	OJ990415_01.9922.C18
Gene No.	46483	Strand	-
Start	12052	End	14678
Name	OJ990415_01.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	7416	End	8527
GI	none	Score	113
Exons	7416..7523, 7421..7519, 7583..7675, 7602..7691, 7603..7692, 7907..8011, 7907..8011, 7908..8036, 7908..8015, 8066..8161, 8072..8161, 8085..8165, 8232..8333, 8241..8333, 8243..8335, 8404..8526, 8439..8522, 8444..8527		
Seq. No.	22317	Seq. ID	OJ990415_01.9922.C18
Gene No.	46483	Strand	-
Start	12052	End	14678
Name	OJ990415_01.9922.C18.o2.tm	Method	TBLASTX:Maize

Start	10178	End	10387
GI	none	Score	242
Exons	10178..10387, 10197..10385		

Seq. No.	22317	Seq. ID	OJ990415_01.9922.C18
Gene No.	46483	Strand	-
Start	12052	End	14678
Name	OJ990415_01.9922.C18.o2.gs	Method	GENSCAN
Start	12052	End	14678
GI	none	Score	.73
Exons	12052..12321, 12708..12981, 13008..13245, 13263..13321, 13496..13649, 14597..14678		

Seq. No.	22318	Seq. ID	OJ990415_01.9922.C19
Gene No.	46484	Strand	+
Start	3906	End	4132
Name	OJ990415_01.9922.C19.o1.gs	Method	GENSCAN
Start	3906	End	4132
GI	none	Score	.45
Exons	3906..3961, 4027..4132		

Seq. No.	22318	Seq. ID	OJ990415_01.9922.C19
Gene No.	46485	Strand	+
Start	5540	End	6833
Name	OJ990415_01.9922.C19.o2.gs	Method	GENSCAN
Start	5540	End	6833
GI	none	Score	.77
Exons	5540..5678, 6715..6833		

Seq. No.	22318	Seq. ID	OJ990415_01.9922.C19
Gene No.	46486	Strand	-
Start	7639	End	7861
Name	OJ990415_01.9922.C19.o3.gs	Method	GENSCAN
Start	7639	End	7861
GI	none	Score	.56
Exons	7639..7861		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46487	Strand	+
Start	5	End	848
Name	OJ990415_01.9922.C21.o1.gs	Method	GENSCAN
Start	5	End	848
GI	none	Score	.87
Exons	5..85, 789..848		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46488	Strand	+
Start	9409	End	19571
Name	OJ990415_01.9922.C21.o1.np	Method	AAT/NAP
Start	9409	End	19571
GI	4996642	Score	271
Exons	9409..9538, 15235..15494, 16065..16222, 19498..19571		
GI Descrip.	(AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46488	Strand	+
Start	9409	End	19571

Name	OJ990415_01.9922.C21.o4.gs	Method	GENSCAN
Start	15180	End	16259
GI	none	Score	.99
Exons	15180..16259		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46488	Strand	+
Start	9409	End	19571
Name	OJ990415_01.9922.C21.o2.gp	Method	AAT/GAP
Start	16131	End	16432
GI	none	Score	510
Exons	16131..16432		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46489	Strand	-
Start	1507	End	1835
Name	OJ990415_01.9922.C21.o2.gs	Method	GENSCAN
Start	1507	End	1835
GI	none	Score	.83
Exons	1507..1708, 1768..1835		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46490	Strand	-
Start	15358	End	15761
Name	OJ990415_01.9922.C21.o1.gp	Method	AAT/GAP
Start	15358	End	15761
GI	uC-osroM202007g08a1	Score	776
Exons	15358..15761		
GI Descrip.	'3927829 2.0e-18 (AC005727) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46491	Strand	-
Start	16586	End	19112
Name	OJ990415_01.9922.C21.o1.tc	Method	TBLASTX:Cress
Start	15303	End	15493
GI	none	Score	296
Exons	15303..15485, 15329..15493		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46491	Strand	-
Start	16586	End	19112
Name	OJ990415_01.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	15306	End	15490
GI	none	Score	338
Exons	15306..15485, 15323..15490		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46491	Strand	-
Start	16586	End	19112
Name	OJ990415_01.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	15318	End	15487
GI	none	Score	303
Exons	15318..15485, 15329..15487		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46491	Strand	-

Start	16586	End	19112
Name	OJ990415_01.9922.C21.o5.gs	Method	GENSCAN
Start	16586	End	19112
GI	none	Score	.56
Exons	16586..16672, 17802..17865, 19090..19112		

Seq. No.	22319	Seq. ID	OJ990415_01.9922.C21
Gene No.	46491	Strand	-
Start	16586	End	19112
Name	OJ990415_01.9922.C21.o3.gp	Method	AAT/GAP
Start	16811	End	17324
GI	none	Score	1004
Exons	16811..17324		

Seq. No.	22320	Seq. ID	OJ990415_01.9922.C22
Gene No.	46492	Strand	-
Start	2063	End	2396
Name	OJ990415_01.9922.C22.o1.gs	Method	GENSCAN
Start	2063	End	2396
GI	none	Score	.77
Exons	2063..2396		

Seq. No.	22321	Seq. ID	OJ990415_01.9922.C23
Gene No.	46493	Strand	+
Start	261	End	512
Name	OJ990415_01.9922.C23.o1.gs	Method	GENSCAN
Start	261	End	512
GI	none	Score	.42
Exons	261..512		

Seq. No.	22322	Seq. ID	OJ990415_01.9922.C24
Gene No.	46494	Strand	+
Start	997	End	1294
Name	OJ990415_01.9922.C24.o1.gs	Method	GENSCAN
Start	997	End	1294
GI	none	Score	.94
Exons	997..1121, 1165..1294		

Seq. No.	22322	Seq. ID	OJ990415_01.9922.C24
Gene No.	46495	Strand	+
Start	3331	End	3584
Name	OJ990415_01.9922.C24.o2.gs	Method	GENSCAN
Start	3331	End	3584
GI	none	Score	.48
Exons	3331..3333, 3465..3584		

Seq. No.	22323	Seq. ID	OJ990415_01.9922.C25
Gene No.	46496	Strand	+
Start	118	End	371
Name	OJ990415_01.9922.C25.o1.gs	Method	GENSCAN
Start	118	End	371
GI	none	Score	.68
Exons	118..120, 252..371		

Seq. No.	22324	Seq. ID	OJ990415_01.9922.C26
Gene No.	46497	Strand	+
Start	742	End	2179

Name	OJ990415_01.9922.C26.o1.gs	Method	GENSCAN
Start	742	End	2179
GI	none	Score	.5
Exons	742..811, 1552..1635, 2019..2179		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o1.gs	Method	GENSCAN
Start	242	End	7282
GI	none	Score	.58
Exons	242..770, 1825..1917, 1919..2207, 2615..2869, 4596..4844, 4948..5176, 6968..7282		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o3.tc	Method	TBLASTX:Cress
Start	242	End	466
GI	none	Score	84
Exons	242..457, 242..466, 348..461		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o4.tm	Method	TBLASTX:Maize
Start	242	End	436
GI	none	Score	97
Exons	242..436, 245..412, 348..434		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o2.ts	Method	TBLASTX:Soybean
Start	242	End	478
GI	none	Score	50
Exons	242..478, 246..308, 348..467		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o1.np	Method	AAT/NAP
Start	245	End	5176
GI	3859659	Score	2307
Exons	245..770, 1825..2348, 2615..2874, 3011..3114, 3190..3242, 4018..4278, 4566..4844, 4948..5176		
GI Descrip.	(AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o1.ts	Method	TBLASTX:Soybean
Start	525	End	2711
GI	none	Score	48
Exons	525..641, 560..601, 624..788, 638..772, 1821..1886, 1822..1881, 1881..2294, 1883..2350, 1885..2265, 1904..2347, 2578..2703,		

2607..2711, 2611..2709, 2613..2711

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o1.tm	Method	TBLASTX:Maize
Start	656	End	2284
GI	none	Score	84
Exons	656..772, 657..788, 1816..1881, 1821..1886, 1873..2283, 1883..2284, 1885..2262, 1886..2275		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o1.tc	Method	TBLASTX:Cress
Start	1863	End	2293
GI	none	Score	303
Exons	1863..1886, 1883..2293, 1884..2036, 1885..2259, 1892..2284		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o2.tm	Method	TBLASTX:Maize
Start	2285	End	2852
GI	none	Score	99
Exons	2285..2347, 2287..2349, 2566..2847, 2613..2852		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o4.tc	Method	TBLASTX:Cress
Start	2646	End	4172
GI	none	Score	166
Exons	2646..2876, 2656..2862, 2974..3063, 2999..3115, 3206..3259, 4016..4171, 4017..4172		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o5.ts	Method	TBLASTX:Soybean
Start	2712	End	3063
GI	none	Score	169
Exons	2712..2876, 2713..2865, 2986..3063		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o4.ts	Method	TBLASTX:Soybean
Start	4016	End	4737
GI	none	Score	182
Exons	4016..4273, 4017..4277, 4597..4737		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o3.tm	Method	TBLASTX:Maize
Start	4169	End	5146

GI	none	Score	81
Exons	4169..4273, 4598..4711, 4598..4675, 4750..4845, 4780..4839, 4946..5098, 5075..5146		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o2.tc	Method	TBLASTX:Cress
Start	4801	End	7069
GI	none	Score	124
Exons	4801..4842, 4949..5182, 4968..5108, 6971..7069		

Seq. No.	22325	Seq. ID	OJ990415_01.9922.C27
Gene No.	46498	Strand	-
Start	242	End	7282
Name	OJ990415_01.9922.C27.o3.ts	Method	TBLASTX:Soybean
Start	4976	End	5182
GI	none	Score	141
Exons	4976..5182, 4980..5177, 5059..5178		

Seq. No.	22326	Seq. ID	OJ990415_01.9922.C28
Gene No.	46499	Strand	+
Start	633	End	2373
Name	OJ990415_01.9922.C28.o1.np	Method	AAT/NAP
Start	633	End	2373
GI	4539658	Score	84
Exons	633..690, 1970..2112, 2281..2373		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	22326	Seq. ID	OJ990415_01.9922.C28
Gene No.	46499	Strand	+
Start	633	End	2373
Name	OJ990415_01.9922.C28.o2.np	Method	AAT/NAP
Start	1969	End	2373
GI	4539658	Score	83
Exons	1969..2112, 2281..2373		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	22326	Seq. ID	OJ990415_01.9922.C28
Gene No.	46500	Strand	-
Start	1889	End	2176
Name	OJ990415_01.9922.C28.o2.gs	Method	GENSCAN
Start	1889	End	2176
GI	none	Score	.47
Exons	1889..2176		

Seq. No.	22327	Seq. ID	OJ990415_01.9922.C29
Gene No.	46501	Strand	+
Start	1997	End	4504
Name	OJ990415_01.9922.C29.o1.gs	Method	GENSCAN
Start	1997	End	4504
GI	none	Score	.65
Exons	1997..2113, 4304..4504		

Seq. No.	22328	Seq. ID	OJ990415_01.9922.C30

Gene No.	46502	Strand	+
Start	457	End	745
Name	OJ990415_01.9922.C30.o1.gs	Method	GENSCAN
Start	457	End	745
GI	none	Score	.75
Exons	457..530, 732..745		

Seq. No.	22329	Seq. ID	OJ990415_01.9922.C31
Gene No.	46503	Strand	+
Start	314	End	1277
Name	OJ990415_01.9922.C31.o1.gs	Method	GENSCAN
Start	314	End	1277
GI	none	Score	.52
Exons	314..691, 1179..1277		

Seq. No.	22330	Seq. ID	OJ990415_01.9922.C32
Gene No.	46504	Strand	-
Start	411	End	593
Name	OJ990415_01.9922.C32.o1.tm	Method	TBLASTX:Maize
Start	402	End	593
GI	none	Score	230
Exons	402..587, 406..588, 411..593, 413..592		

Seq. No.	22330	Seq. ID	OJ990415_01.9922.C32
Gene No.	46504	Strand	-
Start	411	End	593
Name	OJ990415_01.9922.C32.o1.gs	Method	GENSCAN
Start	411	End	588
GI	none	Score	.77
Exons	411..588		

Seq. No.	22331	Seq. ID	OJ990415_01.9922.C33
Gene No.	46505	Strand	+
Start	374	End	496
Name	OJ990415_01.9922.C33.o1.gs	Method	GENSCAN
Start	374	End	496
GI	none	Score	.58
Exons	374..496		

Seq. No.	22332	Seq. ID	OJ990415_01.9922.C34
Gene No.	46506	Strand	+
Start	550	End	760
Name	OJ990415_01.9922.C34.o1.gp	Method	AAT/GAP
Start	550	End	760
GI	none	Score	339
Exons	550..760		

Seq. No.	22333	Seq. ID	OJ990415_01.9922.C35
Gene No.	46507	Strand	+
Start	190	End	634
Name	OJ990415_01.9922.C35.o1.gs	Method	GENSCAN
Start	190	End	634
GI	none	Score	.84
Exons	190..330, 357..477, 560..634		

Seq. No.	22334	Seq. ID	OJ990415_01.9922.C36
Gene No.	46508	Strand	+

Start	271	End	375
Name	OJ990415_01.9922.C36.o1.gs	Method	GENSCAN
Start	271	End	375
GI	none	Score	.51
Exons	271..375		

Seq. No.	22335	Seq. ID	OJ990415_01.9922.C37
Gene No.	46509	Strand	-
Start	1	End	722
Name	OJ990415_01.9922.C37.o1.np	Method	AAT/NAP
Start	1	End	722
GI	3859659	Score	265
Exons	1..416, 661..722		
GI Descrip.	(AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		

Seq. No.	22335	Seq. ID	OJ990415_01.9922.C37
Gene No.	46509	Strand	-
Start	1	End	722
Name	OJ990415_01.9922.C37.o1.tc	Method	TBLASTX:Cress
Start	157	End	414
GI	none	Score	63
Exons	157..414, 158..361		

Seq. No.	22335	Seq. ID	OJ990415_01.9922.C37
Gene No.	46509	Strand	-
Start	1	End	722
Name	OJ990415_01.9922.C37.o1.tm	Method	TBLASTX:Maize
Start	157	End	360
GI	none	Score	125
Exons	157..360, 158..352		

Seq. No.	22335	Seq. ID	OJ990415_01.9922.C37
Gene No.	46509	Strand	-
Start	1	End	722
Name	OJ990415_01.9922.C37.o1.ts	Method	TBLASTX:Soybean
Start	157	End	418
GI	none	Score	182
Exons	157..414, 158..418		

Seq. No.	22336	Seq. ID	OJ990415_01.9922.C38
Gene No.	46510	Strand	+
Start	54	End	70
Name	OJ990415_01.9922.C38.o1.gs	Method	GENSCAN
Start	54	End	70
GI	none	Score	.6
Exons	54..70		

Seq. No.	22337	Seq. ID	OJ990415_03.9922.C1
Gene No.	46511	Strand	-
Start	245	End	456
Name	OJ990415_03.9922.C1.o1.gs	Method	GENSCAN
Start	245	End	456
GI	none	Score	.97
Exons	245..456		

Seq. No.	22337	Seq. ID	OJ990415_03.9922.C1

Gene No.	46511	Strand	-
Start	245	End	456
Name	OJ990415_03.9922.C1.o1.np	Method	AAT/NAP
Start	248	End	456
GI	6721508	Score	331
Exons	248..456		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22338	Seq. ID	OJ990415_03.9922.C2
Gene No.	46512	Strand	+
Start	539	End	841
Name	OJ990415_03.9922.C2.o1.gs	Method	GENSCAN
Start	539	End	841
GI	none	Score	.75
Exons	539..574, 699..841		

Seq. No.	22339	Seq. ID	OJ990415_03.9922.C4
Gene No.	46513	Strand	+
Start	350	End	442
Name	OJ990415_03.9922.C4.o1.gs	Method	GENSCAN
Start	350	End	442
GI	none	Score	.66
Exons	350..442		

Seq. No.	22340	Seq. ID	OJ990415_03.9922.C6
Gene No.	46514	Strand	+
Start	98	End	561
Name	OJ990415_03.9922.C6.o1.gs	Method	GENSCAN
Start	98	End	561
GI	none	Score	.74
Exons	98..561		

Seq. No.	22340	Seq. ID	OJ990415_03.9922.C6
Gene No.	46515	Strand	-
Start	1	End	675
Name	OJ990415_03.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	675
GI	6721505	Score	847
Exons	1..270, 435..675		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22341	Seq. ID	OJ990415_03.9922.C7
Gene No.	46516	Strand	+
Start	214	End	488
Name	OJ990415_03.9922.C7.o1.gs	Method	GENSCAN
Start	214	End	488
GI	none	Score	.83
Exons	214..283, 387..488		

Seq. No.	22342	Seq. ID	OJ990415_03.9922.C11
Gene No.	46517	Strand	+
Start	409	End	498
Name	OJ990415_03.9922.C11.o1.gp	Method	AAT/GAP
Start	409	End	498
GI	25552_1.R1084	Score	162
Exons	409..498		
GI Descrip.	'2104691 4.0e-19 (U92794) alpha glucosidase II, beta subunit		

[Mus musculus]'

Seq. No.	22342	Seq. ID	OJ990415_03.9922.C11
Gene No.	46518	Strand	-
Start	385	End	498
Name	OJ990415_03.9922.C11.o1.np	Method	AAT/NAP
Start	385	End	498
GI	6539569	Score	193
Exons	385..498		
GI Descrip.	(AP000836) EST C19724(E10840) corresponds to a region of the predicted gene.; Similar to protein kinase C substrate (P14314) [Oryza sativa]		

Seq. No.	22343	Seq. ID	OJ990415_03.9922.C13
Gene No.	46519	Strand	-
Start	1	End	698
Name	OJ990415_03.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	571
GI	6539570	Score	309
Exons	1..21, 152..218, 378..571		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22343	Seq. ID	OJ990415_03.9922.C13
Gene No.	46519	Strand	-
Start	1	End	698
Name	OJ990415_03.9922.C13.o1.gs	Method	GENSCAN
Start	348	End	698
GI	none	Score	.85
Exons	348..538, 653..698		

Seq. No.	22343	Seq. ID	OJ990415_03.9922.C13
Gene No.	46520	Strand	-
Start	707	End	1442
Name	OJ990415_03.9922.C13.o2.np	Method	AAT/NAP
Start	707	End	1442
GI	6630699	Score	88
Exons	707..784, 1422..1442		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	22344	Seq. ID	OJ990415_03.9922.C14
Gene No.	46521	Strand	+
Start	234	End	375
Name	OJ990415_03.9922.C14.o1.gs	Method	GENSCAN
Start	234	End	375
GI	none	Score	.92
Exons	234..375		

Seq. No.	22344	Seq. ID	OJ990415_03.9922.C14
Gene No.	46522	Strand	-
Start	243	End	381
Name	OJ990415_03.9922.C14.o1.np	Method	AAT/NAP
Start	243	End	381
GI	6539572	Score	173
Exons	243..381		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46523	Strand	+
Start	155	End	457
Name	OJ990415_03.9922.C15.o1.gs	Method	GENSCAN
Start	155	End	457
GI	none	Score	.54
Exons	155..457		

Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46524	Strand	-
Start	832	End	1095
Name	OJ990415_03.9922.C15.o2.gs	Method	GENSCAN
Start	832	End	1053
GI	none	Score	.6
Exons	832..1053		

Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46524	Strand	-
Start	832	End	1095
Name	OJ990415_03.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	893	End	1095
GI	none	Score	284
Exons	893..946, 896..1093, 902..1093, 904..1095		

Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46524	Strand	-
Start	832	End	1095
Name	OJ990415_03.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	893	End	1095
GI	none	Score	260
Exons	893..967, 896..1093, 902..1012, 904..1095		

Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46524	Strand	-
Start	832	End	1095
Name	OJ990415_03.9922.C15.o1.gp	Method	AAT/GAP
Start	895	End	1095
GI	44866_1.R1084	Score	365
Exons	895..1095		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46524	Strand	-
Start	832	End	1095
Name	OJ990415_03.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	896	End	1095
GI	none	Score	199
Exons	896..1093, 902..1009, 904..1095		

Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46524	Strand	-
Start	832	End	1095
Name	OJ990415_03.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	896	End	1095
GI	none	Score	276

Exons	896..1093, 904..1095		
Seq. No.	22345	Seq. ID	OJ990415_03.9922.C15
Gene No.	46524	Strand	-
Start	832	End	1095
Name	OJ990415_03.9922.C15.o1.np	Method	AAT/NAP
Start	897	End	1095
GI	6539568	Score	303
Exons	897..1095		
GI Descrip.	(AP000836) ESTs AU081247(C50004),AU068940(C51113) correspond to a region of the predicted gene.; Similar to pyruvate kinase (Q42954) [Oryza sativa]		
Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46525	Strand	+
Start	1132	End	1395
Name	OJ990415_03.9922.C17.o1.gs	Method	GENSCAN
Start	1132	End	1341
GI	none	Score	.93
Exons	1132..1341		
Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46525	Strand	+
Start	1132	End	1395
Name	OJ990415_03.9922.C17.o1.np	Method	AAT/NAP
Start	1132	End	1395
GI	6523097	Score	218
Exons	1132..1395		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		
Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46526	Strand	-
Start	764	End	1716
Name	OJ990415_03.9922.C17.o1.gp	Method	AAT/GAP
Start	764	End	1716
GI	2496_1.R1084	Score	1875
Exons	764..1716		
GI Descrip.	'6091733/gb|AAF03445.1|AC010797_21 3.0e-17 (AC010797) unknown protein [Arabidopsis thaliana]'		
Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46527	Strand	-
Start	3626	End	4168
Name	OJ990415_03.9922.C17.o2.gs	Method	GENSCAN
Start	3626	End	4168
GI	none	Score	.93
Exons	3626..4168		
Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46527	Strand	-
Start	3626	End	4168
Name	OJ990415_03.9922.C17.o2.np	Method	AAT/NAP
Start	3632	End	4168
GI	5281045	Score	327
Exons	3632..4168		
GI Descrip.	(AL080318) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46527	Strand	-
Start	3626	End	4168
Name	OJ990415_03.9922.C17.o2.gp	Method	AAT/GAP
Start	3758	End	4087
GI	none	Score	649
Exons	3758..4087		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o2.tc	Method	TBLASTX:Cress
Start	1117	End	1317
GI	none	Score	205
Exons	1117..1317, 1131..1316		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o3.tm	Method	TBLASTX:Maize
Start	1117	End	1316
GI	none	Score	262
Exons	1117..1302, 1131..1316		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	1131	End	1349
GI	none	Score	269
Exons	1131..1349, 1132..1335		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	1131	End	1329
GI	none	Score	242
Exons	1131..1328, 1132..1329		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	3577	End	4180
GI	none	Score	48
Exons	3577..3630, 3627..3920, 3628..3915, 3659..3919, 3862..3999, 3977..4057, 3985..4173, 4079..4180, 4106..4177		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o3.gs	Method	GENSCAN
Start	4516	End	6832
GI	none	Score	.8
Exons	4516..4577, 4757..4928, 6328..6429, 6686..6832		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o2.tm	Method	TBLASTX:Maize
Start	5636	End	6402
GI	none	Score	36
Exons	5636..5692, 5677..5730, 5874..5960, 5880..5957, 6075..6215, 6076..6204, 6323..6400, 6328..6402		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o3.np	Method	AAT/NAP
Start	5652	End	7296
GI	6175185	Score	482
Exons	5652..5709, 5878..5957, 6054..6223, 6328..6429, 6626..6832, 7242..7296		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o2.ts	Method	TBLASTX:Soybean
Start	5661	End	6155
GI	none	Score	59
Exons	5661..5711, 5665..5730, 5877..5960, 5878..5961, 6054..6095, 6055..6096, 6090..6155		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o1.tc	Method	TBLASTX:Cress
Start	5877	End	6206
GI	none	Score	125
Exons	5877..5939, 6054..6206, 6055..6189		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o4.gp	Method	AAT/GAP
Start	6193	End	6927
GI	none	Score	581
Exons	6193..6223, 6328..6429, 6545..6607, 6686..6832, 6895..6927		

Seq. No.	22346	Seq. ID	OJ990415_03.9922.C17
Gene No.	46528	Strand	-
Start	4516	End	7296
Name	OJ990415_03.9922.C17.o4.tm	Method	TBLASTX:Maize
Start	6671	End	7295
GI	none	Score	146
Exons	6671..6823, 6705..6824, 6707..6832, 6711..6845, 7242..7295		

Seq. No.	22347	Seq. ID	OJ990415_03.9922.C18
Gene No.	46529	Strand	-
Start	380	End	899
Name	OJ990415_03.9922.C18.o1.np	Method	AAT/NAP
Start	380	End	899

GI	6175185	Score	140
Exons	380..466, 821..899		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	22348	Seq. ID	OJ990415_03.9922.C20
Gene No.	46530	Strand	+
Start	1	End	1184
Name	OJ990415_03.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	1184
GI	6539570	Score	185
Exons	1..50, 1065..1184		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22349	Seq. ID	OJ990415_03.9922.C21
Gene No.	46531	Strand	+
Start	68	End	1014
Name	OJ990415_03.9922.C21.o1.gs	Method	GENSCAN
Start	68	End	920
GI	none	Score	.95
Exons	68..167, 289..402, 578..673, 855..920		

Seq. No.	22349	Seq. ID	OJ990415_03.9922.C21
Gene No.	46531	Strand	+
Start	68	End	1014
Name	OJ990415_03.9922.C21.o1.np	Method	AAT/NAP
Start	68	End	1014
GI	6539569	Score	738
Exons	68..167, 289..402, 578..673, 855..1014		
GI Descrip.	(AP000836) EST C19724(E10840) corresponds to a region of the predicted gene.; Similar to protein kinase C substrate (P14314) [Oryza sativa]		

Seq. No.	22349	Seq. ID	OJ990415_03.9922.C21
Gene No.	46531	Strand	+
Start	68	End	1014
Name	OJ990415_03.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	130	End	1013
GI	none	Score	44
Exons	130..165, 143..166, 286..351, 288..404, 354..398, 576..671, 576..662, 577..672, 833..1009, 848..1009, 855..1010, 855..1013		

Seq. No.	22349	Seq. ID	OJ990415_03.9922.C21
Gene No.	46531	Strand	+
Start	68	End	1014
Name	OJ990415_03.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	354	End	1014
GI	none	Score	63
Exons	354..398, 615..662, 616..672, 848..1012, 854..1012, 901..1014		

Seq. No.	22349	Seq. ID	OJ990415_03.9922.C21
Gene No.	46531	Strand	+
Start	68	End	1014
Name	OJ990415_03.9922.C21.o1.gp	Method	AAT/GAP
Start	648	End	1014
GI	53729_1.R1084	Score	352
Exons	648..673, 855..1014		
GI Descrip.	'2104691 2.0e-10 (U92794) alpha glucosidase II, beta subunit		

[Mus musculus]'

Seq. No.	22349	Seq. ID	OJ990415_03.9922.C21
Gene No.	46531	Strand	+
Start	68	End	1014
Name	OJ990415_03.9922.C21.o1.tw	Method	TBLASTX:Wheat
Start	866	End	1014
GI	none	Score	227
Exons	866..1012, 866..1009, 892..1014		

Seq. No.	22350	Seq. ID	OJ990415_03.9922.C23
Gene No.	46532	Strand	-
Start	978	End	1071
Name	OJ990415_03.9922.C23.o1.np	Method	AAT/NAP
Start	978	End	1071
GI	6539572	Score	117
Exons	978..1071		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22351	Seq. ID	OJ990415_03.9922.C25
Gene No.	46533	Strand	-
Start	1	End	511
Name	OJ990415_03.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	511
GI	6721504	Score	501
Exons	1..511		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22351	Seq. ID	OJ990415_03.9922.C25
Gene No.	46533	Strand	-
Start	1	End	511
Name	OJ990415_03.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	83	End	434
GI	none	Score	468
Exons	83..427, 102..428, 104..430, 105..434		

Seq. No.	22351	Seq. ID	OJ990415_03.9922.C25
Gene No.	46533	Strand	-
Start	1	End	511
Name	OJ990415_03.9922.C25.o1.gs	Method	GENSCAN
Start	102	End	429
GI	none	Score	.83
Exons	102..429		

Seq. No.	22351	Seq. ID	OJ990415_03.9922.C25
Gene No.	46533	Strand	-
Start	1	End	511
Name	OJ990415_03.9922.C25.o1.ts	Method	TBLASTX:Soybean
Start	102	End	434
GI	none	Score	321
Exons	102..428, 104..427, 117..434, 119..430		

Seq. No.	22351	Seq. ID	OJ990415_03.9922.C25
Gene No.	46533	Strand	-
Start	1	End	511
Name	OJ990415_03.9922.C25.o1.gp	Method	AAT/GAP
Start	266	End	429

GI	uC-osflcyp179h01b1	Score	299
Exons	266..429		
GI Descrip.	'2827715/emb|CAA16688| 2.0e-26 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	22351	Seq. ID	OJ990415_03.9922.C25
Gene No.	46533	Strand	-
Start	1	End	511
Name	OJ990415_03.9922.C25.o1.tc	Method	TBLASTX:Cress
Start	269	End	434
GI	none	Score	167
Exons	269..427, 270..428, 279..434		

Seq. No.	22352	Seq. ID	OJ990415_03.9922.C27
Gene No.	46534	Strand	+
Start	178	End	434
Name	OJ990415_03.9922.C27.o1.gs	Method	GENSCAN
Start	178	End	434
GI	none	Score	.52
Exons	178..258, 392..434		

Seq. No.	22353	Seq. ID	OJ990415_03.9922.C28
Gene No.	46535	Strand	+
Start	69	End	484
Name	OJ990415_03.9922.C28.o1.np	Method	AAT/NAP
Start	69	End	481
GI	6721509	Score	307
Exons	69..141, 279..481		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22353	Seq. ID	OJ990415_03.9922.C28
Gene No.	46535	Strand	+
Start	69	End	484
Name	OJ990415_03.9922.C28.o1.gs	Method	GENSCAN
Start	283	End	484
GI	none	Score	.98
Exons	283..484		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46536	Strand	+
Start	39	End	481
Name	OJ990415_03.9922.C29.o1.gp	Method	AAT/GAP
Start	39	End	481
GI	23131_1.R1084	Score	631
Exons	39..152, 241..481		
GI Descrip.	'2088652 9.0e-95 (AF002109) 26S proteasome regulatory subunit S12 isolog [Arabidopsis thaliana] >gi_2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]'		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o2.tm	Method	TBLASTX:Maize
Start	38	End	452
GI	none	Score	174
Exons	38..115, 39..152, 130..162, 234..311, 235..330, 235..291,		

239..334, 240..329, 411..452, 428..448

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o2.ts	Method	TBLASTX:Soybean
Start	38	End	404
GI	none	Score	159
Exons	38..115, 39..152, 235..333, 237..404		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o2.tc	Method	TBLASTX:Cress
Start	41	End	377
GI	none	Score	137
Exons	41..115, 42..152, 235..330, 238..285, 240..377, 258..338		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o1.gs	Method	GENSCAN
Start	149	End	2911
GI	none	Score	.54
Exons	149..261, 398..455, 1525..1599, 1635..1832, 2444..2911		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o1.tc	Method	TBLASTX:Cress
Start	1467	End	2983
GI	none	Score	142
Exons	1467..1517, 2357..2482, 2504..2635, 2591..2692, 2633..2917, 2634..2906, 2663..2761, 2783..2929, 2789..2983		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o1.ts	Method	TBLASTX:Soybean
Start	1467	End	3022
GI	none	Score	39
Exons	1467..1520, 1546..1569, 2357..2617, 2435..2560, 2438..2557, 2492..2542, 2591..2704, 2633..2929, 2645..2749, 2795..2923, 2798..2854, 2799..2927, 2858..3022		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29
Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o1.tm	Method	TBLASTX:Maize
Start	1496	End	2983
GI	none	Score	59
Exons	1496..1624, 1683..1724, 1749..1820, 2453..2632, 2453..2632, 2454..2633, 2489..2563, 2609..2692, 2628..2768, 2633..2773, 2633..2773, 2720..2773, 2780..2905, 2781..2906, 2801..2908, 2813..2917, 2850..2906, 2942..2983		

Seq. No.	22354	Seq. ID	OJ990415_03.9922.C29

Gene No.	46537	Strand	-
Start	149	End	3022
Name	OJ990415_03.9922.C29.o1.np	Method	AAT/NAP
Start	2354	End	3022
GI	1679733	Score	486
Exons	2354..3022		
GI Descrip.	(U77041) polygalacturonase-inhibiting protein [Malus domestica]		

Seq. No.	22355	Seq. ID	OJ990415_03.9922.C30
Gene No.	46538	Strand	-
Start	566	End	2400
Name	OJ990415_03.9922.C30.o1.gs	Method	GENSCAN
Start	566	End	2308
GI	none	Score	.51
Exons	566..626, 1778..1921, 2084..2308		

Seq. No.	22355	Seq. ID	OJ990415_03.9922.C30
Gene No.	46538	Strand	-
Start	566	End	2400
Name	OJ990415_03.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	1461	End	2400
GI	none	Score	1102
Exons	1461..2399, 1461..2399, 1486..2400		

Seq. No.	22355	Seq. ID	OJ990415_03.9922.C30
Gene No.	46538	Strand	-
Start	566	End	2400
Name	OJ990415_03.9922.C30.o1.np	Method	AAT/NAP
Start	1464	End	2400
GI	6939228	Score	1270
Exons	1464..2400		
GI Descrip.	(AC020579) putative phosphoribosylformylglycinamidine synthase [Arabidopsis thaliana]		

Seq. No.	22355	Seq. ID	OJ990415_03.9922.C30
Gene No.	46538	Strand	-
Start	566	End	2400
Name	OJ990415_03.9922.C30.o1.tc	Method	TBLASTX:Cress
Start	1590	End	2381
GI	none	Score	62
Exons	1590..1667, 1591..1668, 1674..1715, 1738..1917, 1740..1907, 1938..2096, 1951..2097, 1953..2096, 2322..2381		

Seq. No.	22355	Seq. ID	OJ990415_03.9922.C30
Gene No.	46538	Strand	-
Start	566	End	2400
Name	OJ990415_03.9922.C30.o2.ts	Method	TBLASTX:Soybean
Start	1755	End	1994
GI	none	Score	200
Exons	1755..1907, 1756..1992, 1756..1992, 1758..1994		

Seq. No.	22355	Seq. ID	OJ990415_03.9922.C30
Gene No.	46538	Strand	-
Start	566	End	2400
Name	OJ990415_03.9922.C30.o1.ts	Method	TBLASTX:Soybean
Start	1996	End	2249
GI	none	Score	215

Exons	1996..2199, 1998..2249, 2001..2249		
Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46539	Strand	+
Start	4878	End	10394
Name	OJ990415_03.9922.C31.o4.np	Method	AAT/NAP
Start	4878	End	10394
GI	6069646	Score	628
Exons	4878..4950, 8402..9197, 9480..9853, 10342..10394		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46539	Strand	+
Start	4878	End	10394
Name	OJ990415_03.9922.C31.o3.gs	Method	GENSCAN
Start	6573	End	9785
GI	none	Score	.54
Exons	6573..7038, 7294..7450, 7488..8365, 8407..9785		
Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46539	Strand	+
Start	4878	End	10394
Name	OJ990415_03.9922.C31.o3.np	Method	AAT/NAP
Start	8374	End	8858
GI	2462134	Score	292
Exons	8374..8858		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		
Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46540	Strand	-
Start	1	End	3407
Name	OJ990415_03.9922.C31.o1.np	Method	AAT/NAP
Start	1	End	3269
GI	6939228	Score	3871
Exons	1..3269		
GI Descrip.	(AC020579) putative phosphoribosylformylglycinamidine synthase [Arabidopsis thaliana]		
Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46540	Strand	-
Start	1	End	3407
Name	OJ990415_03.9922.C31.o1.gs	Method	GENSCAN
Start	17	End	3407
GI	none	Score	.52
Exons	17..3258, 3342..3407		
Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46540	Strand	-
Start	1	End	3407
Name	OJ990415_03.9922.C31.o1.gp	Method	AAT/GAP
Start	507	End	1399
GI	11343_1.R1084	Score	1644
Exons	507..1399		

GI Descrip. '2224663/dbj|BAA20816| 5.0e-74 (AB002359) KIAA0361 [Homo sapiens]'

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46541	Strand	-
Start	5458	End	6477
Name	OJ990415_03.9922.C31.o2.gs	Method	GENSCAN
Start	5458	End	6477
GI	none	Score	1
Exons	5458..6477		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46541	Strand	-
Start	5458	End	6477
Name	OJ990415_03.9922.C31.o2.np	Method	AAT/NAP
Start	5470	End	6471
GI	3337095	Score	637
Exons	5470..6471		

GI Descrip. (AB016206) polygalacturonase inhibitor (PGIP) [Citrus iyo]

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o1.tm	Method	TBLASTX:Maize
Start	1	End	823
GI	none	Score	953
Exons	1..822, 1..819, 2..823		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o4.ts	Method	TBLASTX:Soybean
Start	133	End	489
GI	none	Score	72
Exons	133..489, 186..350, 275..484		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o1.ts	Method	TBLASTX:Soybean
Start	588	End	1471
GI	none	Score	786
Exons	588..1076, 589..1470, 590..1471		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o2.tm	Method	TBLASTX:Maize
Start	1096	End	1428
GI	none	Score	70
Exons	1096..1428, 1097..1150, 1099..1428		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o2.ts	Method	TBLASTX:Soybean
Start	1477	End	1855

GI	none	Score	233
Exons	1477..1854, 1478..1651, 1700..1855		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o1.tc	Method	TBLASTX:Cress
Start	5467	End	6390
GI	none	Score	117
Exons	5467..5592, 5614..5721, 5701..5802, 5743..6030, 5744..6028, 5773..5871, 5893..6039, 5899..6093, 6046..6195, 6052..6144, 6280..6390		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o4.tm	Method	TBLASTX:Maize
Start	5467	End	6390
GI	none	Score	67
Exons	5467..5721, 5497..5667, 5563..5730, 5743..5886, 5747..5887, 5756..5800, 5773..5871, 5773..5802, 5774..5857, 5824..5865, 5831..5875, 5833..5874, 5884..6072, 5887..6036, 5897..6016, 5899..6036, 5905..6030, 5905..5958, 5908..6027, 5908..5979, 5908..6033, 5965..6018, 5965..6018, 5969..6100, 6052..6144, 6055..6198, 6056..6199, 6280..6312, 6307..6390		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o3.ts	Method	TBLASTX:Soybean
Start	5467	End	6330
GI	none	Score	47
Exons	5467..5721, 5480..5560, 5548..5667, 5581..5724, 5587..5652, 5701..5814, 5743..6039, 5753..5863, 5803..5871, 5905..6033, 5908..5964, 5909..6037, 5966..6139, 6043..6144, 6046..6198, 6050..6157, 6052..6144, 6094..6144, 6286..6330		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o6.tm	Method	TBLASTX:Maize
Start	8005	End	8358
GI	none	Score	184
Exons	8005..8358		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o5.tm	Method	TBLASTX:Maize
Start	8385	End	8728
GI	none	Score	323
Exons	8385..8702, 8387..8728		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o1.tw	Method	TBLASTX:Wheat

Start	8619	End	8944
GI	none	Score	191
Exons	8619..8933, 8786..8944		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o3.tm	Method	TBLASTX:Maize
Start	8729	End	9416
GI	none	Score	468
Exons	8729..9268, 8730..9416		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o5.ts	Method	TBLASTX:Soybean
Start	9036	End	9584
GI	none	Score	156
Exons	9036..9386, 9245..9364, 9443..9547, 9462..9584		

Seq. No.	22356	Seq. ID	OJ990415_03.9922.C31
Gene No.	46542	Strand	-
Start	10000	End	10053
Name	OJ990415_03.9922.C31.o5.np	Method	AAT/NAP
Start	10000	End	10053
GI	5042454	Score	71
Exons	10000..10053		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46543	Strand	+
Start	578	End	3671
Name	OJ990415_03.9922.C32.o1.gs	Method	GENSCAN
Start	578	End	3671
GI	none	Score	.85
Exons	578..639, 1119..1267, 1334..1829, 1898..3671		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46543	Strand	+
Start	578	End	3671
Name	OJ990415_03.9922.C32.o1.np	Method	AAT/NAP
Start	1138	End	3668
GI	6907089	Score	2703
Exons	1138..3668		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46544	Strand	-
Start	4296	End	6185
Name	OJ990415_03.9922.C32.o2.gs	Method	GENSCAN
Start	4296	End	6038
GI	none	Score	.61
Exons	4296..6038		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46544	Strand	-
Start	4296	End	6185

Name	OJ990415_03.9922.C32.o2.tm	Method	TBLASTX:Maize
Start	4296	End	4440
GI	none	Score	128
Exons	4296..4439, 4300..4440		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46544	Strand	-
Start	4296	End	6185
Name	OJ990415_03.9922.C32.o2.np	Method	AAT/NAP
Start	4299	End	6185
GI	6498441	Score	2773
Exons	4299..4580, 4674..6092, 6150..6185		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46544	Strand	-
Start	4296	End	6185
Name	OJ990415_03.9922.C32.o2.tw	Method	TBLASTX:Wheat
Start	4308	End	4910
GI	none	Score	77
Exons	4308..4433, 4312..4434, 4600..4770, 4626..4910, 4627..4905		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46544	Strand	-
Start	4296	End	6185
Name	OJ990415_03.9922.C32.o1.tw	Method	TBLASTX:Wheat
Start	4911	End	5292
GI	none	Score	238
Exons	4911..5291, 4942..5292		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46544	Strand	-
Start	4296	End	6185
Name	OJ990415_03.9922.C32.o1.tm	Method	TBLASTX:Maize
Start	5106	End	5429
GI	none	Score	219
Exons	5106..5429, 5119..5412		

Seq. No.	22357	Seq. ID	OJ990415_03.9922.C32
Gene No.	46544	Strand	-
Start	4296	End	6185
Name	OJ990415_03.9922.C32.o3.tw	Method	TBLASTX:Wheat
Start	5622	End	5943
GI	none	Score	77
Exons	5622..5882, 5758..5943		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o1.np	Method	AAT/NAP
Start	1	End	1856
GI	6498441	Score	2293
Exons	1..732, 907..1041, 1225..1598, 1662..1856		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o3.tw	Method	TBLASTX:Wheat
Start	1	End	266
GI	none	Score	137
Exons	1..207, 3..266		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o1.gs	Method	GENSCAN
Start	23	End	1856
GI	none	Score	.46
Exons	23..1598, 1662..1856		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o1.ts	Method	TBLASTX:Soybean
Start	570	End	941
GI	none	Score	90
Exons	570..941, 781..924		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o2.tw	Method	TBLASTX:Wheat
Start	600	End	1020
GI	none	Score	298
Exons	600..1019, 625..1020		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o2.tm	Method	TBLASTX:Maize
Start	693	End	1077
GI	none	Score	236
Exons	693..1076, 712..1077		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o1.tm	Method	TBLASTX:Maize
Start	1104	End	1460
GI	none	Score	75
Exons	1104..1220, 1104..1460, 1114..1425		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o1.tw	Method	TBLASTX:Wheat
Start	1128	End	1590
GI	none	Score	213
Exons	1128..1589, 1134..1589, 1135..1590		

Seq. No.	22358	Seq. ID	OJ990415_03.9922.C33
Gene No.	46545	Strand	-
Start	1	End	1856
Name	OJ990415_03.9922.C33.o2.ts	Method	TBLASTX:Soybean
Start	1185	End	1550
GI	none	Score	126
Exons	1185..1319, 1326..1550		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46546	Strand	+
Start	3186	End	3824
Name	OJ990415_03.9922.C34.o2.gs	Method	GENSCAN
Start	3186	End	3824
GI	none	Score	.7
Exons	3186..3824		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46547	Strand	-
Start	1	End	2794
Name	OJ990415_03.9922.C34.o1.np	Method	AAT/NAP
Start	1	End	2677
GI	5042454	Score	2011
Exons	1..53, 494..1868, 1922..2028, 2528..2677		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46547	Strand	-
Start	1	End	2794
Name	OJ990415_03.9922.C34.o1.gs	Method	GENSCAN
Start	144	End	2794
GI	none	Score	.89
Exons	144..1921, 1958..2129, 2532..2574, 2730..2794		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46548	Strand	-
Start	3947	End	5124
Name	OJ990415_03.9922.C34.o1.gp	Method	AAT/GAP
Start	3947	End	4243
GI	4969189	Score	489
Exons	3947..4243		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46548	Strand	-
Start	3947	End	5124
Name	OJ990415_03.9922.C34.o3.gs	Method	GENSCAN
Start	4141	End	5070
GI	none	Score	.98
Exons	4141..5070		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46548	Strand	-
Start	3947	End	5124
Name	OJ990415_03.9922.C34.o2.gp	Method	AAT/GAP
Start	4779	End	5124
GI	62575_1.R1084	Score	597
Exons	4779..5124		

GI Descrip.	'1143381/emb|CAA88846| 2.0e-09 (Z49063) polygalacturonase inhibitor [Actinidia deliciosa]'		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46549	Strand	-
Start	5315	End	8909
Name	OJ990415_03.9922.C34.o4.gs	Method	GENSCAN
Start	5315	End	8909
GI	none	Score	.44
Exons	5315..5488, 7720..7756, 7957..8909		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46549	Strand	-
Start	5315	End	8909
Name	OJ990415_03.9922.C34.o3.gp	Method	AAT/GAP
Start	8059	End	8449
GI	LIB3433-037-P1-K1-G8	Score	734
Exons	8059..8449		
GI Descrip.	'1679733/gb|AAB19212.1| 4.0e-16 (U77041) polygalacturonase-inhibiting protein [Malus domestica]'		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o1.tw	Method	TBLASTX:Wheat
Start	843	End	1181
GI	none	Score	86
Exons	843..1100, 877..1083, 1083..1181, 1126..1164		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o9.tm	Method	TBLASTX:Maize
Start	954	End	1193
GI	none	Score	68
Exons	954..1193, 955..1059		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o3.tm	Method	TBLASTX:Maize
Start	3228	End	3764
GI	none	Score	205
Exons	3228..3518, 3239..3517, 3555..3764, 3615..3695		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o1.tc	Method	TBLASTX:Cress
Start	4153	End	8810
GI	none	Score	69
Exons	4153..4212, 4154..4213, 4219..4269, 4291..4407, 4381..4473, 4396..4476, 4513..4614, 4522..4848, 4595..4750, 4894..4944, 7905..7958, 7968..8012, 7968..8081, 8034..8147, 8163..8201, 8181..8285, 8244..8282, 8304..8501, 8334..8672, 8385..8570, 8407..8571, 8694..8810		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o1.ts	Method	TBLASTX:Soybean
Start	4159	End	8759
GI	none	Score	64
Exons	4159..4212, 4207..4335, 4219..4410, 4220..4342, 4279..4338, 4360..4482, 4411..4497, 4423..4473, 4507..4854, 4522..4617, 4523..4750, 4586..4753, 4894..4944, 7899..7964, 7944..8162, 7954..8148, 7965..8072, 8022..8072, 8157..8201, 8181..8285, 8244..8282, 8304..8423, 8325..8366, 8325..8495, 8328..8459, 8334..8675, 8391..8570, 8407..8571, 8407..8574, 8637..8759		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o7.tm	Method	TBLASTX:Maize
Start	4225	End	8292
GI	none	Score	81
Exons	4225..4332, 4240..4422, 4247..4423, 4360..4479, 4361..4474, 4372..4476, 4423..4479, 4504..4605, 4505..4606, 7983..8060, 7983..8153, 7984..8145, 8101..8151, 8151..8201, 8244..8285, 8245..8292		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o1.tm	Method	TBLASTX:Maize
Start	4610	End	8847
GI	none	Score	123
Exons	4610..4756, 4666..4761, 4798..5070, 4799..4951, 8295..8468, 8349..8546, 8421..8573, 8422..8574, 8613..8819, 8614..8847		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o5.gs	Method	GENSCAN
Start	9406	End	22062
GI	none	Score	.6
Exons	9406..9518, 10069..10123, 10447..10617, 10801..10890, 11433..11544, 11941..11996, 12139..12325, 13193..13241, 13559..13631, 14168..14309, 14398..14594, 15326..15601, 15865..16721, 17333..17599, 18546..19242, 19456..19700, 20445..20605, 20720..20925, 21493..22062		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o3.np	Method	AAT/NAP
Start	10034	End	18998
GI	2462838	Score	1824
Exons	10034..10123, 10447..10617, 10801..10909, 11408..11544, 11941..11996, 12139..12403, 13193..13241, 13559..13631, 13710..13988, 14168..14228, 14398..14594, 15326..15601, 15865..16400, 18963..18998		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o4.tm	Method	TBLASTX:Maize
Start	10447	End	12276
GI	none	Score	194
Exons	10447..10617, 10472..10615, 10798..10893, 10802..10888, 11418..11543, 11420..11539, 11433..11549, 11434..11544, 11726..11788, 11728..11811, 11744..11818, 11929..11997, 11937..11999, 11940..11999, 12130..12276, 12134..12253, 12138..12275, 12139..12276		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o4.ts	Method	TBLASTX:Soybean
Start	10447	End	11796
GI	none	Score	64
Exons	10447..10617, 10449..10610, 10464..10622, 10472..10615, 10766..10888, 10798..10893, 11430..11543, 11433..11549, 11434..11544, 11725..11796, 11726..11788		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o4.gp	Method	AAT/GAP
Start	11937	End	12277
GI	LIB3432-040-P1-K1-E7	Score	231
Exons	11937..11996, 12139..12277		
GI Descrip.	'2462838 3.0e-15 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o3.tc	Method	TBLASTX:Cress
Start	13738	End	14237
GI	none	Score	63
Exons	13738..13797, 13848..13961, 13848..13994, 13849..14004, 14166..14237, 14168..14236		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o8.tm	Method	TBLASTX:Maize
Start	13854	End	14418
GI	none	Score	144
Exons	13854..13988, 13855..13962, 13870..13989, 14166..14309, 14167..14313, 14168..14320, 14168..14311, 14384..14416, 14395..14418		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o2.ts	Method	TBLASTX:Soybean
Start	13866	End	14562
GI	none	Score	84

Exons	13866..13994, 13870..13962, 13889..13990, 14166..14336, 14167..14271, 14168..14314, 14393..14455, 14394..14561, 14397..14558, 14398..14562		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o4.np	Method	AAT/NAP
Start	16587	End	21593
GI	6503010	Score	787
Exons	16587..16749, 18563..19242, 19456..19700, 20445..20683, 20720..20877, 20930..21336, 21428..21593		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o6.tm	Method	TBLASTX:Maize
Start	18479	End	18811
GI	none	Score	109
Exons	18479..18658, 18560..18661, 18574..18666, 18653..18811, 18659..18793, 18670..18810		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o3.ts	Method	TBLASTX:Soybean
Start	18832	End	19248
GI	none	Score	138
Exons	18832..19002, 19004..19240, 19012..19248, 19080..19247		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o2.tm	Method	TBLASTX:Maize
Start	19014	End	19593
GI	none	Score	264
Exons	19014..19244, 19027..19248, 19028..19240, 19031..19261, 19032..19244, 19455..19592, 19456..19590, 19456..19593		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o2.tc	Method	TBLASTX:Cress
Start	19030	End	19732
GI	none	Score	143
Exons	19030..19248, 19031..19243, 19430..19732, 19456..19698		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o5.ts	Method	TBLASTX:Soybean
Start	19457	End	19704
GI	none	Score	105
Exons	19457..19702, 19459..19701, 19495..19704		
Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34

Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o5.tm	Method	TBLASTX:Maize
Start	19603	End	20772
GI	none	Score	90
Exons	19603..19701, 19605..19703, 19612..19704, 19649..19711, 20441..20605, 20442..20600, 20443..20607, 20443..20604, 20719..20772, 20723..20770		

Seq. No.	22359	Seq. ID	OJ990415_03.9922.C34
Gene No.	46550	Strand	-
Start	9406	End	22274
Name	OJ990415_03.9922.C34.o5.np	Method	AAT/NAP
Start	20677	End	22274
GI	1076802	Score	381
Exons	20677..21967, 22095..22274		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46551	Strand	+
Start	2018	End	3842
Name	OJ990415_03.9922.C35.o2.gs	Method	GENSCAN
Start	2018	End	3842
GI	none	Score	.83
Exons	2018..2074, 2106..2296, 3620..3842		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46551	Strand	+
Start	2018	End	3842
Name	OJ990415_03.9922.C35.o1.gp	Method	AAT/GAP
Start	3371	End	3451
GI	38012_1.R1084	Score	103
Exons	3371..3451		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46551	Strand	+
Start	2018	End	3842
Name	OJ990415_03.9922.C35.o1.np	Method	AAT/NAP
Start	3639	End	3839
GI	2281092	Score	193
Exons	3639..3839		
GI Descrip.	(AC002333) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46552	Strand	+
Start	6131	End	10889
Name	OJ990415_03.9922.C35.o2.gp	Method	AAT/GAP
Start	6051	End	7851
GI	4879565	Score	679
Exons	6051..6167, 6687..6763, 6871..7024, 7555..7625, 7828..7851		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46552	Strand	+

Start	6131	End	10889
Name	OJ990415_03.9922.C35.o3.gs	Method	GENSCAN
Start	6131	End	10875
GI	none	Score	.87
Exons	6131..6167, 6687..6763, 6871..7024, 7555..7625, 7864..7929, 8226..8300, 8411..8443, 8561..8641, 8758..8814, 8900..8989, 9087..9288, 10489..10661, 10725..10875		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46552	Strand	+
Start	6131	End	10889
Name	OJ990415_03.9922.C35.o3.gp	Method	AAT/GAP
Start	10086	End	10889
GI	none	Score	937
Exons	10086..10254, 10343..10405, 10489..10661, 10744..10889		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46552	Strand	+
Start	6131	End	10889
Name	OJ990415_03.9922.C35.o3.np	Method	AAT/NAP
Start	10312	End	10889
GI	6175185	Score	283
Exons	10312..10405, 10489..10661, 10744..10889		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46553	Strand	-
Start	1097	End	1408
Name	OJ990415_03.9922.C35.o1.gs	Method	GENSCAN
Start	1097	End	1408
GI	none	Score	.98
Exons	1097..1210, 1250..1408		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46554	Strand	
Start	3631	End	3842
Name	OJ990415_03.9922.C35.o1.tm	Method	TBLASTX:Maize
Start	3631	End	3842
GI	none	Score	114
Exons	3631..3828, 3632..3748, 3647..3835, 3648..3836, 3792..3842		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46554	Strand	
Start	3631	End	3842
Name	OJ990415_03.9922.C35.o1.ts	Method	TBLASTX:Soybean
Start	3648	End	3827
GI	none	Score	207
Exons	3648..3827, 3653..3817		

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46555	Strand	
Start	6116	End	8122
Name	OJ990415_03.9922.C35.o2.tm	Method	TBLASTX:Maize
Start	6116	End	8122
GI	none	Score	83
Exons	6116..6169, 6117..6167, 6124..6186, 6125..6169, 6671..6769, 6685..6762, 6870..6974, 6871..6981, 7785..7931, 7813..7935,		

7816..7917, 7827..7931, 8033..8122, 8033..8122

Seq. No.	22360	Seq. ID	OJ990415_03.9922.C35
Gene No.	46556	Strand	
Start	10226	End	10862
Name	OJ990415_03.9922.C35.o3.tm	Method	TBLASTX:Maize
Start	10226	End	10862
GI	none	Score	53
Exons	10226..10252, 10228..10254, 10339..10407, 10342..10404, 10479..10607, 10557..10607, 10607..10669, 10743..10823, 10824..10862		

Seq. No.	22361	Seq. ID	OJ990415_03.9922.C36
Gene No.	46557	Strand	+
Start	91	End	542
Name	OJ990415_03.9922.C36.o1.tm	Method	TBLASTX:Maize
Start	27	End	364
GI	none	Score	132
Exons	27..173, 55..177, 58..159, 69..173, 275..364, 275..364		

Seq. No.	22361	Seq. ID	OJ990415_03.9922.C36
Gene No.	46557	Strand	+
Start	91	End	542
Name	OJ990415_03.9922.C36.o1.gs	Method	GENSCAN
Start	91	End	542
GI	none	Score	.88
Exons	91..171, 468..542		

Seq. No.	22362	Seq. ID	OJ990415_03.9922.C38
Gene No.	46558	Strand	-
Start	30	End	676
Name	OJ990415_03.9922.C38.o1.gs	Method	GENSCAN
Start	30	End	676
GI	none	Score	.45
Exons	30..676		

Seq. No.	22362	Seq. ID	OJ990415_03.9922.C38
Gene No.	46558	Strand	-
Start	30	End	676
Name	OJ990415_03.9922.C38.o1.ts	Method	TBLASTX:Soybean
Start	116	End	664
GI	none	Score	60
Exons	116..238, 153..257, 314..664, 336..455		

Seq. No.	22362	Seq. ID	OJ990415_03.9922.C38
Gene No.	46558	Strand	-
Start	30	End	676
Name	OJ990415_03.9922.C38.o1.tm	Method	TBLASTX:Maize
Start	125	End	520
GI	none	Score	128
Exons	125..520, 138..347		

Seq. No.	22363	Seq. ID	OJ990415_03.9922.C39
Gene No.	46559	Strand	+
Start	355	End	594
Name	OJ990415_03.9922.C39.o1.ts	Method	TBLASTX:Soybean
Start	322	End	541

GI	none	Score	197
Exons	322..531, 347..538, 392..541		

Seq. No.	22363	Seq. ID	OJ990415_03.9922.C39
Gene No.	46559	Strand	+
Start	355	End	594
Name	OJ990415_03.9922.C39.o1.tc	Method	TBLASTX:Cress
Start	334	End	585
GI	none	Score	95
Exons	334..585, 346..555, 392..583		

Seq. No.	22363	Seq. ID	OJ990415_03.9922.C39
Gene No.	46559	Strand	+
Start	355	End	594
Name	OJ990415_03.9922.C39.o1.tm	Method	TBLASTX:Maize
Start	350	End	585
GI	none	Score	274
Exons	350..562, 355..585, 392..583		

Seq. No.	22363	Seq. ID	OJ990415_03.9922.C39
Gene No.	46559	Strand	+
Start	355	End	594
Name	OJ990415_03.9922.C39.o1.gp	Method	AAT/GAP
Start	355	End	594
GI	23131_1.R1084	Score	428
Exons	355..594		
GI Descrip.	'2088652 9.0e-95 (AF002109) 26S proteasome regulatory subunit S12 isolog [Arabidopsis thaliana] >gi_2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]'		

Seq. No.	22363	Seq. ID	OJ990415_03.9922.C39
Gene No.	46559	Strand	+
Start	355	End	594
Name	OJ990415_03.9922.C39.o1.gs	Method	GENSCAN
Start	355	End	584
GI	none	Score	.59
Exons	355..584		

Seq. No.	22363	Seq. ID	OJ990415_03.9922.C39
Gene No.	46559	Strand	+
Start	355	End	594
Name	OJ990415_03.9922.C39.o1.np	Method	AAT/NAP
Start	355	End	594
GI	2088652	Score	261
Exons	355..594		
GI Descrip.	(AF002109) 26S proteasome regulatory subunit [Arabidopsis thaliana] gi|2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]		

Seq. No.	22364	Seq. ID	OJ990415_03.9922.C42
Gene No.	46560	Strand	+
Start	409	End	472
Name	OJ990415_03.9922.C42.o1.gs	Method	GENSCAN
Start	409	End	472
GI	none	Score	.75
Exons	409..472		

Seq. No.	22365	Seq. ID	OJ990415_03.9922.C43
Gene No.	46561	Strand	-
Start	643	End	1165
Name	OJ990415_03.9922.C43.o1.gs	Method	GENSCAN
Start	643	End	867
GI	none	Score	.76
Exons	643..867		

Seq. No.	22365	Seq. ID	OJ990415_03.9922.C43
Gene No.	46561	Strand	-
Start	643	End	1165
Name	OJ990415_03.9922.C43.o1.np	Method	AAT/NAP
Start	646	End	1165
GI	6539575	Score	293
Exons	646..853, 1145..1165		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi|6721503|dbj|BAA89545.1| (AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22366	Seq. ID	OJ990415_03.9922.C45
Gene No.	46562	Strand	+
Start	69	End	249
Name	OJ990415_03.9922.C45.o1.np	Method	AAT/NAP
Start	69	End	249
GI	6721508	Score	279
Exons	69..249		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22367	Seq. ID	OJ990415_03.9922.C48
Gene No.	46563	Strand	-
Start	1	End	487
Name	OJ990415_03.9922.C48.o1.np	Method	AAT/NAP
Start	1	End	487
GI	6721513	Score	163
Exons	1..42, 279..487		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22368	Seq. ID	OJ990405_02.9922.C2
Gene No.	46564	Strand	+
Start	1	End	637
Name	OJ990405_02.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	637
GI	3738327	Score	314
Exons	1..213, 276..383, 492..637		
GI Descrip.	(AC005170) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	22368	Seq. ID	OJ990405_02.9922.C2
Gene No.	46564	Strand	+
Start	1	End	637
Name	OJ990405_02.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	546
GI	none	Score	268
Exons	2..184, 3..227, 3..185, 263..379, 274..384, 274..381, 480..542, 490..531, 490..546, 491..544		

Seq. No.	22368	Seq. ID	OJ990405_02.9922.C2
Gene No.	46564	Strand	+
Start	1	End	637
Name	OJ990405_02.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	6	End	562
GI	none	Score	42
Exons	6..53, 61..183, 69..236, 71..184, 263..379, 274..378, 494..562, 496..561		

Seq. No.	22368	Seq. ID	OJ990405_02.9922.C2
Gene No.	46564	Strand	+
Start	1	End	637
Name	OJ990405_02.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	69	End	559
GI	none	Score	134
Exons	69..185, 71..184, 254..382, 274..351, 494..559, 496..558		

Seq. No.	22369	Seq. ID	OJ990405_02.9922.C3
Gene No.	46565	Strand	-
Start	55	End	362
Name	OJ990405_02.9922.C3.o1.gp	Method	AAT/GAP
Start	55	End	362
GI	none	Score	582
Exons	55..362		

Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46566	Strand	+
Start	340	End	2683
Name	OJ990405_02.9922.C5.o1.gs	Method	GENSCAN
Start	340	End	2683
GI	none	Score	.69
Exons	340..1104, 1187..1265, 1327..1610, 1840..1923, 2004..2070, 2133..2683		

Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	3104	End	3354
GI	none	Score	52
Exons	3104..3145, 3109..3354, 3182..3352, 3187..3354		

Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o1.np	Method	AAT/NAP
Start	3115	End	5541
GI	4544372	Score	729
Exons	3115..4690, 4790..5178, 5245..5541		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	3130	End	3537

GI	none	Score	68
Exons	3130..3537, 3164..3307		
Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	3864	End	4253
GI	none	Score	109
Exons	3864..3920, 3951..4058, 4092..4253		
Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	3897	End	4178
GI	none	Score	227
Exons	3897..4178		
Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	3927	End	4259
GI	none	Score	214
Exons	3927..4259		
Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	4515	End	4913
GI	none	Score	76
Exons	4515..4784, 4824..4913		
Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	4548	End	4958
GI	none	Score	87
Exons	4548..4799, 4633..4800, 4821..4958, 4825..4956		
Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	5109	End	5541
GI	none	Score	94
Exons	5109..5297, 5122..5253, 5298..5540, 5473..5541		
Seq. No.	22370	Seq. ID	OJ990405_02.9922.C5
Gene No.	46567	Strand	-
Start	3115	End	5541
Name	OJ990405_02.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	5265	End	5540
GI	none	Score	61

Exons	5265..5540, 5266..5409, 5473..5538		
Seq. No.	22371	Seq. ID	OJ990405_02.9922.C6
Gene No.	46568	Strand	-
Start	379	End	843
Name	OJ990405_02.9922.C6.o1.gs	Method	GENSCAN
Start	379	End	843
GI	none	Score	.97
Exons	379..843		
Seq. No.	22371	Seq. ID	OJ990405_02.9922.C6
Gene No.	46568	Strand	-
Start	379	End	843
Name	OJ990405_02.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	382	End	711
GI	none	Score	199
Exons	382..711		
Seq. No.	22372	Seq. ID	OJ990405_02.9922.C7
Gene No.	46569	Strand	+
Start	673	End	1054
Name	OJ990405_02.9922.C7.o1.gp	Method	AAT/GAP
Start	673	End	1054
GI	uC-osflcyp033a04b1	Score	543
Exons	673..1054		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	22372	Seq. ID	OJ990405_02.9922.C7
Gene No.	46570	Strand	-
Start	605	End	2334
Name	OJ990405_02.9922.C7.o1.np	Method	AAT/NAP
Start	605	End	2334
GI	4680186	Score	338
Exons	605..806, 1645..1706, 2211..2334		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	22373	Seq. ID	OJ990405_02.9922.C8
Gene No.	46571	Strand	+
Start	751	End	4792
Name	OJ990405_02.9922.C8.o1.gs	Method	GENSCAN
Start	751	End	4057
GI	none	Score	.75
Exons	751..950, 1172..1229, 1722..1742, 2632..2683, 2989..3300, 3306..3446, 3957..4057		
Seq. No.	22373	Seq. ID	OJ990405_02.9922.C8
Gene No.	46571	Strand	+
Start	751	End	4792
Name	OJ990405_02.9922.C8.o2.np	Method	AAT/NAP
Start	3071	End	4792
GI	6063554	Score	331
Exons	3071..3290, 3957..3985, 4619..4792		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22373	Seq. ID	OJ990405_02.9922.C8
Gene No.	46572	Strand	+
Start	5470	End	5618
Name	OJ990405_02.9922.C8.o2.gs	Method	GENSCAN
Start	5470	End	5618
GI	none	Score	.98
Exons	5470..5618		

Seq. No.	22374	Seq. ID	OJ990405_02.9922.C9
Gene No.	46573	Strand	+
Start	3176	End	3379
Name	OJ990405_02.9922.C9.o2.np	Method	AAT/NAP
Start	3176	End	3379
GI	4680186	Score	251
Exons	3176..3379		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22374	Seq. ID	OJ990405_02.9922.C9
Gene No.	46574	Strand	-
Start	1	End	3018
Name	OJ990405_02.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	161752	Score	116
Exons	1..39, 298..409, 677..761, 901..982, 1016..1152, 1300..1398		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	22374	Seq. ID	OJ990405_02.9922.C9
Gene No.	46574	Strand	-
Start	1	End	3018
Name	OJ990405_02.9922.C9.o1.gs	Method	GENSCAN
Start	230	End	3018
GI	none	Score	.56
Exons	230..717, 1108..1663, 2974..3018		

Seq. No.	22374	Seq. ID	OJ990405_02.9922.C9
Gene No.	46575	Strand	-
Start	2926	End	3307
Name	OJ990405_02.9922.C9.o1.gp	Method	AAT/GAP
Start	2926	End	3307
GI	uC-osflcyp033a04b1	Score	655
Exons	2926..3307		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22375	Seq. ID	OJ990405_02.9922.C10
Gene No.	46576	Strand	+
Start	1	End	416
Name	OJ990405_02.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	416
GI	4378066	Score	220
Exons	1..416		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	22375	Seq. ID	OJ990405_02.9922.C10

Gene No.	46576	Strand	+
Start	1	End	416
Name	OJ990405_02.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	51	End	357
GI	none	Score	197
Exons	51..356, 52..357, 244..357		

Seq. No.	22375	Seq. ID	OJ990405_02.9922.C10
Gene No.	46576	Strand	+
Start	1	End	416
Name	OJ990405_02.9922.C10.o1.gs	Method	GENSCAN
Start	106	End	318
GI	none	Score	.77
Exons	106..318		

Seq. No.	22376	Seq. ID	OJ990405_02.9922.C11
Gene No.	46577	Strand	-
Start	266	End	697
Name	OJ990405_02.9922.C11.o1.gs	Method	GENSCAN
Start	266	End	688
GI	none	Score	.93
Exons	266..429, 574..688		

Seq. No.	22376	Seq. ID	OJ990405_02.9922.C11
Gene No.	46577	Strand	-
Start	266	End	697
Name	OJ990405_02.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	272	End	672
GI	none	Score	182
Exons	272..661, 273..479, 274..672, 275..661		

Seq. No.	22376	Seq. ID	OJ990405_02.9922.C11
Gene No.	46577	Strand	-
Start	266	End	697
Name	OJ990405_02.9922.C11.o1.np	Method	AAT/NAP
Start	399	End	697
GI	6742729	Score	406
Exons	399..697		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	22377	Seq. ID	OJ990405_02.9922.C12
Gene No.	46578	Strand	+
Start	1192	End	1769
Name	OJ990405_02.9922.C12.o1.gs	Method	GENSCAN
Start	1192	End	1769
GI	none	Score	.78
Exons	1192..1332, 1462..1769		

Seq. No.	22378	Seq. ID	OJ990405_02.9922.C13
Gene No.	46579	Strand	-
Start	1	End	130
Name	OJ990405_02.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	130
GI	6006381	Score	120
Exons	1..130		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	22379	Seq. ID	OJ990405_02.9922.C14
Gene No.	46580	Strand	-
Start	6537	End	6735
Name	OJ990405_02.9922.C14.o1.np	Method	AAT/NAP
Start	6537	End	6735
GI	4680203	Score	116
Exons	6537..6735		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22379	Seq. ID	OJ990405_02.9922.C14
Gene No.	46581	Strand	-
Start	9246	End	10591
Name	OJ990405_02.9922.C14.o3.gs	Method	GENSCAN
Start	9246	End	10591
GI	none	Score	.57
Exons	9246..9504, 10554..10591		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46582	Strand	+
Start	260	End	2163
Name	OJ990405_02.9922.C15.o1.gs	Method	GENSCAN
Start	260	End	2163
GI	none	Score	.76
Exons	260..355, 445..537, 1123..1304, 1668..1943, 2011..2163		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46583	Strand	+
Start	14160	End	19105
Name	OJ990405_02.9922.C15.o6.np	Method	AAT/NAP
Start	14160	End	19105
GI	4572668	Score	312
Exons	14160..14195, 15571..16549, 19084..19105		
GI Descrip.	(AC006954) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46583	Strand	+
Start	14160	End	19105
Name	OJ990405_02.9922.C15.o4.gs	Method	GENSCAN
Start	14901	End	17867
GI	none	Score	.63
Exons	14901..15126, 15320..15429, 15571..15699, 16017..16329, 16371..16506, 16602..16833, 17044..17191, 17638..17718, 17746..17867		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46583	Strand	+
Start	14160	End	19105
Name	OJ990405_02.9922.C15.o4.np	Method	AAT/NAP
Start	14919	End	15152
GI	60100	Score	65
Exons	14919..15063, 15091..15152		
GI Descrip.	(Z11140) p24/p25/p7 [Human immunodeficiency virus type 1]		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46583	Strand	+
Start	14160	End	19105

Name	OJ990405_02.9922.C15.o7.np	Method	AAT/NAP
Start	16898	End	18323
GI	443482	Score	160
Exons	16898..17008, 17618..17718, 17940..18046, 18186..18323		
GI Descrip.	Triticum aestivum		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46583	Strand	+
Start	14160	End	19105
Name	OJ990405_02.9922.C15.o1.gp	Method	AAT/GAP
Start	18650	End	19015
GI	4736_1.R1084	Score	673
Exons	18650..19015		
GI Descrip.	'2244867/emb|CAB10289.1| 4.0e-58 (Z97337) hydroxynitrile lyase like protein [Arabidopsis thaliana]'		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46584	Strand	-
Start	3213	End	14305
Name	OJ990405_02.9922.C15.o2.gs	Method	GENSCAN
Start	3213	End	7695
GI	none	Score	.64
Exons	3213..4627, 4641..7276, 7379..7695		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46584	Strand	-
Start	3213	End	14305
Name	OJ990405_02.9922.C15.o1.np	Method	AAT/NAP
Start	3218	End	8130
GI	6466937	Score	1814
Exons	3218..7284, 8013..8130		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46584	Strand	-
Start	3213	End	14305
Name	OJ990405_02.9922.C15.o2.np	Method	AAT/NAP
Start	7314	End	13580
GI	4773895	Score	781
Exons	7314..7373, 8247..8560, 9039..9906, 10192..10528, 10554..10728, 10981..11293, 11333..12008, 13519..13580		
GI Descrip.	(AF076243) putative polyprotein [Arabidopsis thaliana]		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46584	Strand	-
Start	3213	End	14305
Name	OJ990405_02.9922.C15.o3.gs	Method	GENSCAN
Start	8925	End	14305
GI	none	Score	.52
Exons	8925..9030, 10884..11011, 11448..11698, 12223..12525, 12698..13010, 13437..13694, 13809..14086, 14284..14305		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o4.ts	Method	TBLASTX:Soybean

Start	30	End	17716
GI	none	Score	118
Exons	30..149, 31..147, 261..338, 262..345, 443..538, 444..542, 450..542, 1212..1271, 17615..17716		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o2.tc	Method	TBLASTX:Cress
Start	31	End	330
GI	none	Score	149
Exons	31..147, 42..146, 262..330, 264..329		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o7.tm	Method	TBLASTX:Maize
Start	42	End	1319
GI	none	Score	114
Exons	42..101, 43..147, 257..328, 257..328, 258..338, 259..345, 438..542, 443..538, 1212..1319		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	438	End	2133
GI	none	Score	151
Exons	438..542, 443..538, 1212..1319, 1662..1883, 1670..1882, 2032..2133		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o6.tm	Method	TBLASTX:Maize
Start	1666	End	1911
GI	none	Score	66
Exons	1666..1761, 1667..1777, 1667..1888, 1668..1901, 1668..1889, 1672..1902, 1804..1911		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o2.ts	Method	TBLASTX:Soybean
Start	1667	End	19044
GI	none	Score	295
Exons	1667..1900, 1668..1910, 1684..1923, 2023..2160, 17935..18012, 17937..18002, 18185..18289, 18186..18323, 18873..19013, 18877..19044		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o8.tm	Method	TBLASTX:Maize
Start	2296	End	2744
GI	none	Score	43
Exons	2296..2391, 2364..2636, 2405..2596, 2406..2744, 2407..2715		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	2406	End	8189
GI	none	Score	205
Exons	2406..2939, 2593..2892, 2786..2950, 2915..3019, 8103..8189		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o7.tw	Method	TBLASTX:Wheat
Start	2484	End	2903
GI	none	Score	133
Exons	2484..2669, 2688..2903		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o16.tm	Method	TBLASTX:Maize
Start	2748	End	8207
GI	none	Score	97
Exons	2748..2930, 2749..2904, 2901..3011, 2912..3019, 8103..8207		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	3213	End	3977
GI	none	Score	42
Exons	3213..3239, 3217..3237, 3276..3557, 3300..3500, 3570..3977, 3586..3975, 3627..3977		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o5.tw	Method	TBLASTX:Wheat
Start	3558	End	3870
GI	none	Score	157
Exons	3558..3812, 3562..3870, 3571..3870		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o6.tw	Method	TBLASTX:Wheat
Start	3918	End	4089
GI	none	Score	92
Exons	3918..4088, 3934..4089		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o12.tm	Method	TBLASTX:Maize
Start	3978	End	4283
GI	none	Score	157
Exons	3978..4118, 3979..4107, 4119..4283, 4126..4206		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	4140	End	4535
GI	none	Score	77
Exons	4140..4535, 4141..4275, 4149..4403, 4318..4452		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o4.tm	Method	TBLASTX:Maize
Start	4293	End	4749
GI	none	Score	95
Exons	4293..4538, 4524..4613, 4612..4749, 4625..4747		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o7.ts	Method	TBLASTX:Soybean
Start	4747	End	4989
GI	none	Score	96
Exons	4747..4989, 4841..4987		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	4750	End	5268
GI	none	Score	346
Exons	4750..5268, 4766..5242		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o3.tw	Method	TBLASTX:Wheat
Start	4900	End	5298
GI	none	Score	153
Exons	4900..5298, 4934..5242		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o3.ts	Method	TBLASTX:Soybean
Start	5014	End	5373
GI	none	Score	120
Exons	5014..5373, 5015..5242, 5233..5355		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o3.tm	Method	TBLASTX:Maize
Start	5305	End	5772
GI	none	Score	282
Exons	5305..5772, 5309..5767		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o2.tw	Method	TBLASTX:Wheat
Start	5350	End	5832
GI	none	Score	197
Exons	5350..5832, 5384..5824		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o10.tm	Method	TBLASTX:Maize
Start	6037	End	6672
GI	none	Score	42
Exons	6037..6132, 6214..6519, 6356..6478, 6559..6672, 6569..6640		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o14.tm	Method	TBLASTX:Maize
Start	6838	End	7242
GI	none	Score	69
Exons	6838..7101, 7007..7105, 7135..7242		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o5.ts	Method	TBLASTX:Soybean
Start	9058	End	9488
GI	5509260	Score	61
Exons	9058..9099, 9139..9213, 9144..9233, 9249..9488, 9265..9486		
GI Descrip.	-		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o4.tc	Method	TBLASTX:Cress
Start	9153	End	9377
GI	none	Score	53
Exons	9153..9230, 9162..9251, 9249..9377, 9286..9363		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o15.tm	Method	TBLASTX:Maize
Start	9192	End	17190
GI	none	Score	96
Exons	9192..9230, 9243..9467, 9252..9467, 9265..9468, 17101..17190		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o4.tw	Method	TBLASTX:Wheat
Start	10119	End	16518
GI	none	Score	275
Exons	10119..10244, 10254..10457, 10460..10546, 10560..10661, 15921..16307, 15977..16243, 16396..16518		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o11.tm	Method	TBLASTX:Maize
Start	10161	End	16536
GI	none	Score	63
Exons	10161..10445, 10366..10446, 10468..10491, 16014..16349, 16052..16195, 16378..16536		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o3.tc	Method	TBLASTX:Cress
Start	10164	End	16539
GI	none	Score	154
Exons	10164..10457, 16101..16349, 16103..16225, 16372..16539		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o6.ts	Method	TBLASTX:Soybean
Start	10293	End	16265
GI	none	Score	66
Exons	10293..10457, 10294..10455, 15900..15950, 15933..16265, 15954..16265		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o5.tm	Method	TBLASTX:Maize
Start	10569	End	16013
GI	none	Score	64
Exons	10569..10649, 10569..10658, 10686..10808, 10686..10886, 10834..10869, 10952..11023, 15558..15617, 15559..15630, 15663..15749, 15664..15756, 15752..15892, 15759..15896, 15775..15897, 15924..16013, 15933..16013		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o9.tm	Method	TBLASTX:Maize
Start	12125	End	14492
GI	none	Score	81
Exons	12125..12283, 12125..12388, 12129..12380, 14178..14243, 14180..14326, 14200..14322, 14317..14484, 14319..14492, 14327..14491, 14331..14492		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o13.tm	Method	TBLASTX:Maize
Start	17968	End	19014
GI	none	Score	69
Exons	17968..18027, 18184..18327, 18185..18325, 18186..18329, 18876..19013, 18877..19014		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o5.gs	Method	GENSCAN
Start	18794	End	18977
GI	none	Score	.91
Exons	18794..18892, 18915..18977		

Seq. No.	22380	Seq. ID	OJ990405_02.9922.C15
Gene No.	46585	Strand	-
Start	18794	End	19105
Name	OJ990405_02.9922.C15.o8.np	Method	AAT/NAP
Start	18818	End	19105
GI	4539671	Score	88
Exons	18818..19013, 19073..19105		
GI Descrip.	(AF061282) serine carboxypeptidase [Sorghum bicolor]		

Seq. No.	22381	Seq. ID	OJ990405_02.9922.C17
Gene No.	46586	Strand	-
Start	102	End	157
Name	OJ990405_02.9922.C17.o1.gs	Method	GENSCAN
Start	102	End	157
GI	none	Score	.43
Exons	102..157		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46587	Strand	+
Start	1	End	3271
Name	OJ990405_02.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	3190
GI	5579092	Score	387
Exons	1..57, 1618..1992, 2918..3190		
GI Descrip.	(AF100954) gibberellin 2-oxidase-like protein [Pisum sativum]		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46587	Strand	+
Start	1	End	3271
Name	OJ990405_02.9922.C18.o1.gs	Method	GENSCAN
Start	1754	End	1982
GI	none	Score	.95
Exons	1754..1982		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46587	Strand	+
Start	1	End	3271
Name	OJ990405_02.9922.C18.o1.gp	Method	AAT/GAP
Start	2892	End	3271
GI	LIB3432-037-P1-K1-D3	Score	715
Exons	2892..3271		
GI Descrip.	'5579092/gb|AAD45424.1| 5.0e-20 (AF100954) gibberellin 2-oxidase-like protein [Pisum sativum]'		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46588	Strand	+
Start	4445	End	4911
Name	OJ990405_02.9922.C18.o2.gp	Method	AAT/GAP
Start	4445	End	4911

GI	none	Score	910
Exons	4445..4911		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o9.tm	Method	TBLASTX:Maize
Start	1752	End	3148
GI	none	Score	35
Exons	1752..1769, 1834..1941, 1924..1995, 2912..3148		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o9.ts	Method	TBLASTX:Soybean
Start	1752	End	3148
GI	none	Score	35
Exons	1752..1769, 1834..1941, 1924..1995, 2912..3148		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o2.gs	Method	GENSCAN
Start	2891	End	8257
GI	none	Score	.81
Exons	2891..3205, 3762..4077, 4932..5215, 5306..5354, 5717..6210, 6464..6675, 6760..6925, 7634..8257		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	4540	End	6593
GI	none	Score	46
Exons	4540..4569, 4668..4706, 4673..4702, 4676..4708, 4703..4729, 4704..4745, 4705..4734, 4714..4794, 4719..4796, 4727..4813, 4752..4796, 4893..5219, 4902..5216, 4903..5217, 4904..5218, 5253..5372, 5306..5356, 5308..5373, 5645..6208, 5716..6213, 5717..6211, 5719..6213, 5721..6227, 6462..6575, 6463..6576, 6464..6592, 6468..6593		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o2.np	Method	AAT/NAP
Start	4898	End	9990
GI	4200165	Score	1954
Exons	4898..5215, 5306..5354, 5717..6210, 6464..6675, 6760..6925, 7634..7867, 9970..9990		
GI Descrip.	(Y16262) neutral invertase [Daucus carota]		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o3.tc	Method	TBLASTX:Cress
Start	4913	End	5170
GI	none	Score	143

Exons	4913..5170, 4950..5126, 5036..5143		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o3.ts	Method	TBLASTX:Soybean
Start	4913	End	5827
GI	none	Score	216
Exons	4913..5218, 4914..5225, 5306..5356, 5307..5363, 5716..5826, 5717..5827		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o3.gp	Method	AAT/GAP
Start	4917	End	6046
GI	14154_1.R1084	Score	1277
Exons	4917..5215, 5306..5354, 5717..6046		
GI Descrip.	'4200165/emb|CAA76145| 1.0e-106 (Y16262) neutral invertase [Daucus carota]'		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o2.tc	Method	TBLASTX:Cress
Start	5174	End	6051
GI	none	Score	64
Exons	5174..5218, 5175..5225, 5306..5356, 5307..5357, 5705..5818, 5716..5829, 5716..6051, 5717..6046, 5881..6051		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o1.ts	Method	TBLASTX:Soybean
Start	5828	End	6499
GI	none	Score	248
Exons	5828..6214, 5833..6213, 6464..6499		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o7.tw	Method	TBLASTX:Wheat
Start	5962	End	6213
GI	none	Score	76
Exons	5962..6213, 5963..6085		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o1.tc	Method	TBLASTX:Cress
Start	6100	End	7813
GI	none	Score	201
Exons	6100..6213, 6462..6671, 6464..6679, 6468..6677, 6758..6949, 6758..6928, 6777..6941, 7634..7792, 7634..7813		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-

Start	2891	End	17653
Name	OJ990405_02.9922.C18.o5.tw	Method	TBLASTX:Wheat
Start	6468	End	6914
GI	none	Score	150
Exons	6468..6677, 6470..6679, 6758..6847, 6759..6791, 6860..6910, 6864..6914		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o2.ts	Method	TBLASTX:Soybean
Start	6500	End	7813
GI	none	Score	129
Exons	6500..6520, 6518..6547, 6546..6677, 6548..6679, 6565..6690, 6758..6922, 6758..6925, 7640..7798, 7641..7733, 7769..7813, 7773..7805		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o5.tm	Method	TBLASTX:Maize
Start	6593	End	6928
GI	none	Score	67
Exons	6593..6679, 6594..6677, 6595..6687, 6758..6928, 6759..6926		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o4.gp	Method	AAT/GAP
Start	6623	End	7941
GI	LIB3431-060-P1-K1-C7	Score	756
Exons	6623..6675, 6760..6925, 7634..7818, 7909..7941		
GI Descrip.	'4200165/emb|CAA76145| 5.0e-58 (Y16262) neutral invertase [Daucus carota]'		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o8.tm	Method	TBLASTX:Maize
Start	7634	End	7813
GI	none	Score	240
Exons	7634..7807, 7634..7813		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o5.gp	Method	AAT/GAP
Start	8008	End	8468
GI	none	Score	850
Exons	8008..8468		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o3.gs	Method	GENSCAN
Start	8602	End	17653
GI	none	Score	.76

Exons	8602..8686, 9694..9799, 9855..10034, 10149..10296, 11689..11736, 12045..12272, 12758..12875, 13070..16824, 16867..16990, 17168..17215, 17220..17371, 17524..17653		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o3.np	Method	AAT/NAP
Start	13069	End	16974
GI	6539553	Score	6773
Exons	13069..16974		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o2.tw	Method	TBLASTX:Wheat
Start	13205	End	13681
GI	none	Score	351
Exons	13205..13591, 13206..13589, 13243..13590, 13606..13680, 13608..13679, 13610..13681		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o7.ts	Method	TBLASTX:Soybean
Start	13333	End	13674
GI	none	Score	78
Exons	13333..13542, 13406..13537, 13561..13674, 13568..13648		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o6.tm	Method	TBLASTX:Maize
Start	13537	End	13876
GI	none	Score	205
Exons	13537..13875, 13538..13876		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o5.ts	Method	TBLASTX:Soybean
Start	13687	End	14032
GI	none	Score	126
Exons	13687..14031, 13832..14032		
Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o3.tw	Method	TBLASTX:Wheat
Start	13885	End	14430
GI	none	Score	48
Exons	13885..14091, 13895..14017, 14086..14430, 14110..14283		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o3.tm	Method	TBLASTX:Maize
Start	13966	End	14431
GI	none	Score	55
Exons	13966..14430, 14069..14179, 14113..14295, 14249..14431		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o4.ts	Method	TBLASTX:Soybean
Start	14101	End	14565
GI	5509260	Score	58
Exons	14101..14565, 14120..14179, 14252..14347, 14396..14464		
GI Descrip.	-		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o4.tc	Method	TBLASTX:Cress
Start	14212	End	14472
GI	none	Score	62
Exons	14212..14472, 14393..14470		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	14485	End	15240
GI	none	Score	200
Exons	14485..14724, 14486..14644, 14502..14732, 14505..14702, 14753..15232, 14776..15240		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o5.tc	Method	TBLASTX:Cress
Start	14866	End	15255
GI	none	Score	112
Exons	14866..15060, 15073..15255		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o6.ts	Method	TBLASTX:Soybean
Start	14890	End	15288
GI	none	Score	38
Exons	14890..15063, 15017..15055, 15064..15288, 15110..15280		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o7.tm	Method	TBLASTX:Maize
Start	15076	End	15510
GI	none	Score	84
Exons	15076..15510, 15101..15301		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o6.tw	Method	TBLASTX:Wheat
Start	15241	End	15432
GI	none	Score	186
Exons	15241..15432, 15241..15432		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o8.ts	Method	TBLASTX:Soybean
Start	15298	End	15684
GI	none	Score	88
Exons	15298..15546, 15529..15684		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o2.tm	Method	TBLASTX:Maize
Start	15711	End	16033
GI	none	Score	395
Exons	15711..15878, 15712..16026, 15713..16006, 15779..16033		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o4.tm	Method	TBLASTX:Maize
Start	16532	End	16845
GI	none	Score	286
Exons	16532..16837, 16534..16845		

Seq. No.	22382	Seq. ID	OJ990405_02.9922.C18
Gene No.	46589	Strand	-
Start	2891	End	17653
Name	OJ990405_02.9922.C18.o4.tw	Method	TBLASTX:Wheat
Start	16593	End	16980
GI	none	Score	247
Exons	16593..16856, 16594..16980, 16595..16969		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46590	Strand	+
Start	6710	End	7034
Name	OJ990405_02.9922.C19.o1.gp	Method	AAT/GAP
Start	6710	End	7034
GI	none	Score	520
Exons	6710..7034		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46591	Strand	+
Start	13760	End	14145
Name	OJ990405_02.9922.C19.o2.gp	Method	AAT/GAP
Start	13760	End	14145
GI	uC-osflcyp033a04b1	Score	637
Exons	13760..14145		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46592	Strand	-
Start	249	End	19795
Name	OJ990405_02.9922.C19.o1.gs	Method	GENSCAN
Start	249	End	19626
GI	none	Score	.58
Exons	249..355, 549..660, 839..976, 2408..2452, 4606..4635, 4824..4875, 6975..7032, 7681..7807, 8964..9026, 9975..10034, 10116..10319, 10419..10475, 10586..10604, 10872..11038, 12357..12879, 13664..13802, 15754..15980, 16038..16220, 17136..17253, 17884..18087, 18206..18347, 18445..18654, 19537..19626		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46592	Strand	-
Start	249	End	19795
Name	OJ990405_02.9922.C19.o1.np	Method	AAT/NAP
Start	5165	End	10499
GI	4337178	Score	545
Exons	5165..5295, 7633..7807, 9975..10034, 10116..10319, 10419..10499		
GI Descrip.	(AC006416) T31J12.5 [Arabidopsis thaliana]		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46592	Strand	-
Start	249	End	19795
Name	OJ990405_02.9922.C19.o2.np	Method	AAT/NAP
Start	5827	End	18310
GI	5852180	Score	656
Exons	5827..5876, 11607..11720, 12423..12832, 12884..13001, 13994..14040, 18262..18310		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46592	Strand	-
Start	249	End	19795
Name	OJ990405_02.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	6944	End	10479
GI	none	Score	73
Exons	6944..7033, 6948..7034, 7675..7803, 7675..7803, 7682..7807, 7683..7808, 9969..10037, 9976..10035, 10098..10229, 10117..10320, 10117..10323, 10182..10322, 10398..10478, 10402..10479		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46592	Strand	-
Start	249	End	19795
Name	OJ990405_02.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	7674	End	10478
GI	none	Score	162
Exons	7674..7808, 7678..7809, 7682..7807, 9975..10037, 9976..10035, 10098..10229, 10105..10320, 10105..10323, 10398..10478, 10402..10473		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46592	Strand	-

Start	249	End	19795
Name	OJ990405_02.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	7703	End	10481
GI	none	Score	46
Exons	7703..7789, 7707..7760, 7757..7813, 7757..7807, 9969..10037, 9978..10037, 9988..10053, 10098..10322, 10105..10314, 10256..10321, 10398..10481, 10401..10463, 10402..10479		

Seq. No.	22383	Seq. ID	OJ990405_02.9922.C19
Gene No.	46592	Strand	-
Start	249	End	19795
Name	OJ990405_02.9922.C19.o3.np	Method	AAT/NAP
Start	17033	End	19795
GI	4680183	Score	135
Exons	17033..17124, 17727..17795, 19756..19795		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22384	Seq. ID	OJ990405_02.9922.C20
Gene No.	46593	Strand	+
Start	315	End	1287
Name	OJ990405_02.9922.C20.o1.gs	Method	GENSCAN
Start	315	End	1287
GI	none	Score	.5
Exons	315..410, 1183..1287		

Seq. No.	22384	Seq. ID	OJ990405_02.9922.C20
Gene No.	46594	Strand	-
Start	2887	End	3537
Name	OJ990405_02.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	1218	End	1607
GI	none	Score	195
Exons	1218..1430, 1262..1402, 1278..1427, 1422..1481, 1491..1607, 1496..1597		

Seq. No.	22384	Seq. ID	OJ990405_02.9922.C20
Gene No.	46594	Strand	-
Start	2887	End	3537
Name	OJ990405_02.9922.C20.o2.tw	Method	TBLASTX:Wheat
Start	1256	End	1607
GI	none	Score	317
Exons	1256..1513, 1266..1550, 1278..1550, 1554..1607		

Seq. No.	22384	Seq. ID	OJ990405_02.9922.C20
Gene No.	46594	Strand	-
Start	2887	End	3537
Name	OJ990405_02.9922.C20.o2.tm	Method	TBLASTX:Maize
Start	1843	End	2172
GI	none	Score	236
Exons	1843..2172		

Seq. No.	22384	Seq. ID	OJ990405_02.9922.C20
Gene No.	46594	Strand	-
Start	2887	End	3537
Name	OJ990405_02.9922.C20.o2.gs	Method	GENSCAN
Start	2887	End	3297
GI	none	Score	.99
Exons	2887..3297		

Seq. No.	22384	Seq. ID	OJ990405_02.9922.C20
Gene No.	46594	Strand	-
Start	2887	End	3537
Name	OJ990405_02.9922.C20.o2.np	Method	AAT/NAP
Start	2908	End	3537
GI	4680203	Score	495
Exons	2908..3537		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22384	Seq. ID	OJ990405_02.9922.C20
Gene No.	46594	Strand	-
Start	2887	End	3537
Name	OJ990405_02.9922.C20.o1.tw	Method	TBLASTX:Wheat
Start	2930	End	3537
GI	none	Score	47
Exons	2930..3028, 2962..3054, 2964..3050, 3058..3123, 3059..3124, 3128..3208, 3131..3250, 3148..3249, 3256..3312, 3266..3319, 3288..3320, 3321..3386, 3325..3363, 3326..3367, 3376..3525, 3377..3520, 3394..3537		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46595	Strand	-
Start	1	End	2330
Name	OJ990405_02.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	1754
GI	6742729	Score	2422
Exons	1..1754		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46595	Strand	-
Start	1	End	2330
Name	OJ990405_02.9922.C21.o1.gs	Method	GENSCAN
Start	106	End	2330
GI	none	Score	.46
Exons	106..576, 679..857, 1363..1619, 1678..2040, 2164..2330		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o1.tc	Method	TBLASTX:Cress
Start	58	End	367
GI	none	Score	100
Exons	58..363, 61..363, 62..367, 65..367		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o1.tw	Method	TBLASTX:Wheat
Start	61	End	660
GI	none	Score	489
Exons	61..654, 62..655, 187..660, 488..655		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393

Name	OJ990405_02.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	298	End	612
GI	none	Score	128
Exons	298..612, 326..601		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o4.tw	Method	TBLASTX:Wheat
Start	664	End	1063
GI	none	Score	43
Exons	664..741, 667..747, 775..969, 775..969, 967..990, 1019..1063		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o2.tm	Method	TBLASTX:Maize
Start	1169	End	1612
GI	none	Score	96
Exons	1169..1258, 1373..1612, 1373..1609		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o2.tw	Method	TBLASTX:Wheat
Start	1206	End	1600
GI	none	Score	145
Exons	1206..1409, 1206..1412, 1207..1410, 1208..1432, 1410..1502, 1412..1510, 1413..1505, 1514..1600, 1518..1598		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o2.tc	Method	TBLASTX:Cress
Start	1460	End	1775
GI	none	Score	64
Exons	1460..1600, 1479..1598, 1605..1775		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o1.ts	Method	TBLASTX:Soybean
Start	1803	End	2132
GI	none	Score	86
Exons	1803..1868, 1875..2093, 1879..2055, 2103..2132		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393
Name	OJ990405_02.9922.C21.o3.tw	Method	TBLASTX:Wheat
Start	1875	End	2210
GI	none	Score	194
Exons	1875..2117, 1876..2118, 1901..2125, 2109..2210		

Seq. No.	22385	Seq. ID	OJ990405_02.9922.C21
Gene No.	46596	Strand	-
Start	2238	End	3393

Name	OJ990405_02.9922.C21.o2.np	Method	AAT/NAP
Start	2238	End	3393
GI	5852182	Score	338
Exons	2238..2566, 3257..3393		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	22386	Seq. ID	OJ990405_02.9922.C22
Gene No.	46597	Strand	+
Start	596	End	785
Name	OJ990405_02.9922.C22.o1.gs	Method	GENSCAN
Start	596	End	785
GI	none	Score	.81
Exons	596..785		

Seq. No.	22386	Seq. ID	OJ990405_02.9922.C22
Gene No.	46598	Strand	-
Start	3114	End	4902
Name	OJ990405_02.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	3111	End	4582
GI	none	Score	151
Exons	3111..3347, 3124..3348, 3471..3644, 3493..3564, 3663..3749, 3664..3750, 4310..4384, 4326..4379, 4403..4537, 4404..4538, 4538..4582		

Seq. No.	22386	Seq. ID	OJ990405_02.9922.C22
Gene No.	46598	Strand	-
Start	3114	End	4902
Name	OJ990405_02.9922.C22.o2.gs	Method	GENSCAN
Start	3114	End	4570
GI	none	Score	.88
Exons	3114..3346, 3473..3743, 4232..4570		

Seq. No.	22386	Seq. ID	OJ990405_02.9922.C22
Gene No.	46598	Strand	-
Start	3114	End	4902
Name	OJ990405_02.9922.C22.o1.np	Method	AAT/NAP
Start	3117	End	4902
GI	3482914	Score	682
Exons	3117..3346, 3473..3743, 4232..4584, 4843..4902		
GI Descrip.	(AC003970) Similar to nodulins and lipase [Arabidopsis thaliana]		

Seq. No.	22386	Seq. ID	OJ990405_02.9922.C22
Gene No.	46598	Strand	-
Start	3114	End	4902
Name	OJ990405_02.9922.C22.o2.tm	Method	TBLASTX:Maize
Start	3240	End	3758
GI	none	Score	84
Exons	3240..3347, 3241..3348, 3471..3758, 3472..3750		

Seq. No.	22386	Seq. ID	OJ990405_02.9922.C22
Gene No.	46598	Strand	-
Start	3114	End	4902
Name	OJ990405_02.9922.C22.o1.tw	Method	TBLASTX:Wheat
Start	3600	End	4387
GI	none	Score	113
Exons	3600..3758, 3601..3729, 4319..4387		

Seq. No.	22386	Seq. ID	OJ990405_02.9922.C22
Gene No.	46598	Strand	-
Start	3114	End	4902
Name	OJ990405_02.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	4229	End	4591
GI	none	Score	282
Exons	4229..4321, 4304..4591, 4305..4589		

Seq. No.	22387	Seq. ID	OJ990405_02.9922.C23
Gene No.	46599	Strand	-
Start	314	End	453
Name	OJ990405_02.9922.C23.o1.gs	Method	GENSCAN
Start	314	End	453
GI	none	Score	.72
Exons	314..453		

Seq. No.	22388	Seq. ID	OJ990405_02.9922.C24
Gene No.	46600	Strand	+
Start	3391	End	4749
Name	OJ990405_02.9922.C24.o2.gs	Method	GENSCAN
Start	3391	End	4749
GI	none	Score	.62
Exons	3391..3563, 3630..3770, 3918..4006, 4556..4749		

Seq. No.	22388	Seq. ID	OJ990405_02.9922.C24
Gene No.	46601	Strand	-
Start	218	End	4746
Name	OJ990405_02.9922.C24.o1.np	Method	AAT/NAP
Start	218	End	2589
GI	3482914	Score	153
Exons	218..244, 1941..2257, 2520..2589		
GI Descrip.	(AC003970) Similar to nodulins and lipase [Arabidopsis thaliana]		

Seq. No.	22388	Seq. ID	OJ990405_02.9922.C24
Gene No.	46601	Strand	-
Start	218	End	4746
Name	OJ990405_02.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	2064	End	2220
GI	none	Score	77
Exons	2064..2219, 2161..2220		

Seq. No.	22388	Seq. ID	OJ990405_02.9922.C24
Gene No.	46601	Strand	-
Start	218	End	4746
Name	OJ990405_02.9922.C24.o2.np	Method	AAT/NAP
Start	2307	End	4746
GI	5922623	Score	412
Exons	2307..2461, 3911..3986, 4154..4301, 4666..4746		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22389	Seq. ID	OJ990405_02.9922.C25
Gene No.	46602	Strand	+
Start	1	End	665
Name	OJ990405_02.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	665

GI	2244867	Score	106
Exons	1..80, 403..511, 602..665		
GI Descrip.	(Z97337) hydroxynitrile lyase like protein [Arabidopsis thaliana]		

Seq. No.	22389	Seq. ID	OJ990405_02.9922.C25
Gene No.	46602	Strand	+
Start	1	End	665
Name	OJ990405_02.9922.C25.o1.gp	Method	AAT/GAP
Start	49	End	511
GI	4736_1.R1084	Score	211
Exons	49..80, 403..511		
GI Descrip.	'2244867/emb|CAB10289.1| 4.0e-58 (Z97337) hydroxynitrile lyase like protein [Arabidopsis thaliana]'		

Seq. No.	22389	Seq. ID	OJ990405_02.9922.C25
Gene No.	46602	Strand	+
Start	1	End	665
Name	OJ990405_02.9922.C25.o1.ts	Method	TBLASTX:Soybean
Start	347	End	511
GI	none	Score	176
Exons	347..511, 355..510		

Seq. No.	22390	Seq. ID	OJ990405_02.9922.C26
Gene No.	46603	Strand	-
Start	104	End	647
Name	OJ990405_02.9922.C26.o1.gs	Method	GENSCAN
Start	104	End	647
GI	none	Score	.92
Exons	104..552, 615..647		

Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46604	Strand	+
Start	8687	End	13448
Name	OJ990715_02.9922.C2.o4.gp	Method	AAT/GAP
Start	8687	End	13448
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	8687..8752, 13391..13448		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46605	Strand	-
Start	351	End	1214
Name	OJ990715_02.9922.C2.o1.gs	Method	GENSCAN
Start	351	End	1214
GI	none	Score	.82
Exons	351..726, 810..1214		

Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o1.gp	Method	AAT/GAP
Start	2825	End	3250
GI	LIB3479-006-Q6-K1-B11	Score	592
Exons	2825..3250		

GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o2.gs	Method	GENSCAN
Start	3043	End	12584
GI	none	Score	.51
Exons	3043..3156, 6583..6851, 7322..7510, 8908..9070, 9342..9414, 9499..9609, 9706..9879, 9989..10674, 10676..10821, 10947..11088, 11163..12584		
Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	5891	End	6199
GI	none	Score	331
Exons	5891..6199, 5892..6179, 5893..6198		
Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	6001	End	6240
GI	none	Score	84
Exons	6001..6240, 6005..6232		
Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o1.np	Method	AAT/NAP
Start	6664	End	12599
GI	4680204	Score	1048
Exons	6664..6701, 8941..9040, 9390..9609, 9706..9879, 9989..11088, 11163..12599		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o2.gp	Method	AAT/GAP
Start	7212	End	7678
GI	LIB3432-044-P1-K1-F5	Score	848
Exons	7212..7678		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 6.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		
Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o3.gp	Method	AAT/GAP
Start	8484	End	8625
GI	21474_1.R1084	Score	237
Exons	8484..8625		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis		

thaliana]'

Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o3.tw	Method	TBLASTX:Wheat
Start	9540	End	10062
GI	none	Score	68
Exons	9540..9611, 9711..9893, 9718..9843, 9982..10062		

Seq. No.	22391	Seq. ID	OJ990715_02.9922.C2
Gene No.	46606	Strand	-
Start	2825	End	12599
Name	OJ990715_02.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	11553	End	11956
GI	none	Score	45
Exons	11553..11648, 11553..11723, 11686..11853, 11718..11954, 11805..11954, 11846..11956		

Seq. No.	22392	Seq. ID	OJ990715_02.9922.C3
Gene No.	46607	Strand	-
Start	1	End	408
Name	OJ990715_02.9922.C3.o1.gp	Method	AAT/GAP
Start	1	End	408
GI	342_1.R1084	Score	697
Exons	1..408		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	22392	Seq. ID	OJ990715_02.9922.C3
Gene No.	46607	Strand	-
Start	1	End	408
Name	OJ990715_02.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1	End	407
GI	none	Score	122
Exons	1..126, 2..127, 74..169, 106..165, 172..216, 177..212, 211..405, 227..370, 243..407		

Seq. No.	22392	Seq. ID	OJ990715_02.9922.C3
Gene No.	46607	Strand	-
Start	1	End	408
Name	OJ990715_02.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	408
GI	4680203	Score	441
Exons	1..408		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22392	Seq. ID	OJ990715_02.9922.C3
Gene No.	46607	Strand	-
Start	1	End	408
Name	OJ990715_02.9922.C3.o1.gs	Method	GENSCAN
Start	73	End	402
GI	none	Score	.6
Exons	73..402		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46608	Strand	+

Start	1024	End	7677
Name	OJ990715_02.9922.C5.o1.gs	Method	GENSCAN
Start	1024	End	4800
GI	none	Score	.86
Exons	1024..1180, 1335..1674, 2157..2222, 2816..2930, 3089..3283, 3379..3751, 4693..4800		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46608	Strand	+
Start	1024	End	7677
Name	OJ990715_02.9922.C5.o1.np	Method	AAT/NAP
Start	1323	End	6223
GI	3550985	Score	539
Exons	1323..1448, 1569..1674, 2816..2930, 3089..3273, 3366..3626, 6195..6223		
GI Descrip.	(AB010740) OsS5a [Oryza sativa]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46608	Strand	+
Start	1024	End	7677
Name	OJ990715_02.9922.C5.o2.np	Method	AAT/NAP
Start	5283	End	7677
GI	2864615	Score	96
Exons	5283..5327, 7433..7677		
GI Descrip.	(AL021811) putative protein [Arabidopsis thaliana]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46609	Strand	+
Start	21040	End	23335
Name	OJ990715_02.9922.C5.o4.np	Method	AAT/NAP
Start	21040	End	23335
GI	2947070	Score	112
Exons	21040..21300, 23261..23335		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46610	Strand	+
Start	28163	End	35570
Name	OJ990715_02.9922.C5.o6.gs	Method	GENSCAN
Start	28163	End	34557
GI	none	Score	.45
Exons	28163..28268, 30771..30899, 30994..31288, 32324..32407, 32456..32632, 32957..33182, 33653..33761, 34415..34557		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46610	Strand	+
Start	28163	End	35570
Name	OJ990715_02.9922.C5.o6.np	Method	AAT/NAP
Start	32456	End	35349
GI	5922620	Score	494
Exons	32456..32639, 33403..33839, 35242..35349		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46610	Strand	+
Start	28163	End	35570
Name	OJ990715_02.9922.C5.o7.gs	Method	GENSCAN
Start	35047	End	35570
GI	none	Score	.57
Exons	35047..35237, 35495..35570		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46611	Strand	-
Start	7490	End	8721
Name	OJ990715_02.9922.C5.o2.gs	Method	GENSCAN
Start	7490	End	8721
GI	none	Score	.62
Exons	7490..7713, 8283..8721		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46612	Strand	-
Start	11535	End	16999
Name	OJ990715_02.9922.C5.o3.gs	Method	GENSCAN
Start	11535	End	14727
GI	none	Score	.63
Exons	11535..11671, 12506..13499, 13721..13963, 14083..14727		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46612	Strand	-
Start	11535	End	16999
Name	OJ990715_02.9922.C5.o3.np	Method	AAT/NAP
Start	12511	End	16999
GI	6665543	Score	349
Exons	12511..12644, 13748..14105, 14151..14577, 16971..16999		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46613	Strand	-
Start	19721	End	19884
Name	OJ990715_02.9922.C5.o2.gp	Method	AAT/GAP
Start	19721	End	19884
GI	21474_1.R1084	Score	241
Exons	19721..19884		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46614	Strand	-
Start	21330	End	21713
Name	OJ990715_02.9922.C5.o5.np	Method	AAT/NAP
Start	21330	End	21713
GI	6899896	Score	111
Exons	21330..21592, 21627..21713		
GI Descrip.	(AL138642) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o1.tw	Method	TBLASTX:Wheat

Start	1329	End	3736
GI	none	Score	146
Exons	1329..1442, 1337..1444, 1566..1676, 1566..1673, 1568..1678, 2809..2928, 2809..2928, 3108..3230, 3110..3151, 3111..3227, 3208..3237, 3227..3295, 3228..3260, 3377..3403, 3393..3473, 3410..3478, 3436..3495, 3437..3496, 3511..3591, 3515..3607, 3689..3736		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	1329	End	3779
GI	none	Score	149
Exons	1329..1442, 1334..1444, 1566..1676, 1566..1673, 1568..1675, 2809..2928, 2809..2928, 3099..3227, 3108..3230, 3227..3268, 3228..3263, 3377..3403, 3422..3478, 3431..3496, 3448..3495, 3511..3591, 3515..3607, 3689..3742, 3690..3779		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	8274	End	14628
GI	none	Score	68
Exons	8274..8351, 8327..8413, 8329..8481, 8330..8509, 8497..8622, 8498..8623, 13065..13235, 13233..13391, 13416..13532, 14161..14337, 14165..14338, 14166..14342, 14341..14478, 14357..14419, 14360..14485, 14491..14628, 14510..14575		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	8323	End	14646
GI	none	Score	72
Exons	8323..8517, 8476..8580, 12879..12974, 13248..13400, 13249..13341, 13751..13912, 13770..13880, 13964..14029, 13986..14021, 14047..14139, 14142..14219, 14149..14250, 14341..14490, 14506..14577, 14554..14646		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	8326	End	14592
GI	none	Score	58
Exons	8326..8586, 8333..8413, 8471..8569, 13231..13407, 13248..13388, 13959..14018, 13961..14026, 13961..14035, 13986..14027, 14047..14139, 14054..14137, 14140..14250, 14144..14251, 14176..14253, 14341..14592		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	12903	End	14033

GI	none	Score	103
Exons	12903..12962, 13744..13935, 13745..13945, 13746..13940, 13964..14032, 13964..14032, 13989..14033		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	21121	End	21333
GI	none	Score	222
Exons	21121..21333, 21130..21330		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o8.np	Method	AAT/NAP
Start	33609	End	37199
GI	6721103	Score	314
Exons	33609..33636, 36069..36242, 36609..37199		
GI Descrip.	(AC007396) T4O12.11 [Arabidopsis thaliana]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o9.np	Method	AAT/NAP
Start	35197	End	38349
GI	5734709	Score	145
Exons	35197..35238, 36742..37027, 37993..38151, 38200..38349		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o7.np	Method	AAT/NAP
Start	35489	End	36833
GI	6630699	Score	80
Exons	35489..35565, 36731..36833		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o8.gs	Method	GENSCAN
Start	36055	End	37985
GI	none	Score	.69
Exons	36055..36242, 36609..37421, 37769..37985		

Seq. No.	22393	Seq. ID	OJ990715_02.9922.C5
Gene No.	46615	Strand	-
Start	33609	End	38349
Name	OJ990715_02.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	36955	End	37207
GI	none	Score	68
Exons	36955..36996, 37003..37059, 37018..37110, 37063..37200,		

37073..37207, 37127..37204

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46616	Strand	+
Start	1	End	659
Name	OJ990715_02.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	659
GI	6907106	Score	366
Exons	1..81, 232..401, 436..659		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46617	Strand	+
Start	19183	End	20725
Name	OJ990715_02.9922.C6.o5.gs	Method	GENSCAN
Start	19183	End	20725
GI	none	Score	.41
Exons	19183..19292, 19585..19697, 20158..20215, 20596..20725		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46618	Strand	+
Start	21608	End	23023
Name	OJ990715_02.9922.C6.o5.np	Method	AAT/NAP
Start	21457	End	21901
GI	5262765	Score	159
Exons	21457..21901		
GI Descrip.	(AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46618	Strand	+
Start	21608	End	23023
Name	OJ990715_02.9922.C6.o6.gs	Method	GENSCAN
Start	21608	End	23023
GI	none	Score	.52
Exons	21608..22145, 22193..22451, 22567..22621, 22934..23023		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46619	Strand	-
Start	1	End	2496
Name	OJ990715_02.9922.C6.o2.np	Method	AAT/NAP
Start	1	End	1410
GI	4587595	Score	194
Exons	1..22, 1169..1410		
GI Descrip.	(AC006951) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46619	Strand	-
Start	1	End	2496
Name	OJ990715_02.9922.C6.o1.gs	Method	GENSCAN
Start	275	End	1443
GI	none	Score	.41
Exons	275..980, 1169..1443		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46619	Strand	-

Start	1	End	2496
Name	OJ990715_02.9922.C6.o3.np	Method	AAT/NAP
Start	596	End	2496
GI	6539588	Score	106
Exons	596..654, 2253..2496		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46620	Strand	-
Start	3397	End	3594
Name	OJ990715_02.9922.C6.o2.gs	Method	GENSCAN
Start	3397	End	3594
GI	none	Score	.83
Exons	3397..3594		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46621	Strand	-
Start	3962	End	16621
Name	OJ990715_02.9922.C6.o4.np	Method	AAT/NAP
Start	3962	End	16621
GI	1888357	Score	2198
Exons	3962..3997, 4481..4678, 4813..4881, 4957..5004, 5091..5186, 5421..5531, 5639..5723, 6451..6563, 7024..7089, 7265..7390, 7494..7541, 7621..7692, 8113..8172, 8258..8316, 10064..10201, 10499..10718, 10963..11019, 11098..11163, 11455..11532, 11639..11806, 11954..12047, 12119..12219, 12615..12728, 12828..12899, 12983..13066, 13187..13306, 13618..13792, 13869..13957, 16173..16256, 16418..16621		
GI Descrip.	(X98130) alpha-mannosidase [Arabidopsis thaliana] gi|1890154|emb|CAA72432| (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46621	Strand	-
Start	3962	End	16621
Name	OJ990715_02.9922.C6.o1.gp	Method	AAT/GAP
Start	4325	End	5502
GI	15498_1.R1084	Score	1153
Exons	4325..4678, 4813..4881, 4957..5004, 5091..5186, 5421..5502		
GI Descrip.	'1888357/emb|CAA66821| 7.0e-34 (X98130) alpha-mannosidase [Arabidopsis thaliana] >gi_1890154_emb_CAA72432_ (Y11767) alpha-mannosidase precursor [Arabidopsis thaliana]'		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46621	Strand	-
Start	3962	End	16621
Name	OJ990715_02.9922.C6.o3.gs	Method	GENSCAN
Start	4490	End	9353
GI	none	Score	.87
Exons	4490..4678, 4813..4881, 4957..5004, 5091..5186, 5421..5526, 6451..6563, 7024..7089, 7265..7390, 8949..9353		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46621	Strand	-
Start	3962	End	16621
Name	OJ990715_02.9922.C6.o2.gp	Method	AAT/GAP
Start	7360	End	11737

GI	25829_1.R1084	Score	1592
Exons	7360..7390, 7494..7541, 7621..7692, 8113..8172, 8258..8326, 10068..10204, 10499..10718, 10963..11019, 11098..11163, 11455..11532, 11639..11737		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46621	Strand	-
Start	3962	End	16621
Name	OJ990715_02.9922.C6.o4.gs	Method	GENSCAN
Start	9480	End	16621
GI	none	Score	.93
Exons	9480..9698, 10068..10204, 10499..10718, 10963..11019, 11098..11163, 11455..11532, 11639..11806, 11954..12047, 12094..12173, 12615..12728, 12828..12899, 12983..13066, 13618..13825, 13869..13957, 16173..16256, 16418..16621		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o5.tm	Method	TBLASTX:Maize
Start	264	End	560
GI	none	Score	92
Exons	264..305, 274..357, 284..412, 356..418, 369..413, 378..419, 433..540, 444..560, 445..507, 503..541, 513..560		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	1168	End	1347
GI	none	Score	172
Exons	1168..1347, 1169..1336		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	1174	End	1351
GI	none	Score	136
Exons	1174..1350, 1178..1351		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	1174	End	1347
GI	none	Score	152
Exons	1174..1347, 1178..1342		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	4470	End	4863
GI	none	Score	249

Exons	4470..4679, 4490..4678, 4792..4863, 4805..4861		
Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	4493	End	16544
GI	none	Score	103
Exons	4493..4570, 4494..4679, 4792..4875, 4802..4876, 4954..5019, 5091..5234, 5421..5543, 5636..5725, 6450..6563, 6457..6555, 7021..7092, 7262..7378, 7482..7541, 7612..7692, 10515..10718, 10537..10719, 10946..11020, 10957..11019, 11096..11164, 11104..11148, 11627..11806, 11649..11807, 11954..12046, 11955..12047, 12116..12220, 12118..12222, 12576..12731, 12613..12732, 12615..12731, 12822..12890, 12837..12911, 12983..13069, 13169..13303, 13191..13307, 13618..13821, 13618..13809, 13727..13813, 13862..13975, 13863..13958, 16176..16262, 16265..16288, 16418..16543, 16422..16544		
Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	4493	End	10700
GI	none	Score	64
Exons	4493..4594, 4509..4586, 4619..4681, 4626..4688, 4809..4877, 4954..5013, 4964..5002, 5091..5189, 5430..5519, 5636..5734, 6447..6563, 7021..7092, 7253..7378, 7482..7538, 7612..7692, 10530..10700, 10534..10668		
Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o6.tm	Method	TBLASTX:Maize
Start	4957	End	10673
GI	none	Score	38
Exons	4957..5013, 4964..5014, 5091..5252, 5091..5234, 5421..5519, 5421..5519, 5636..5725, 6442..6564, 6450..6563, 7021..7092, 7253..7378, 7482..7547, 7612..7686, 8107..8175, 10510..10668, 10513..10671, 10515..10673		
Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	11672	End	12863
GI	none	Score	177
Exons	11672..11779, 11673..11780, 11674..11784, 11674..11787, 11757..11807, 11768..11806, 11952..12032, 11954..12055, 11955..12044, 12118..12222, 12119..12220, 12121..12222, 12576..12731, 12577..12732, 12600..12731, 12613..12732, 12614..12772, 12821..12856, 12822..12863, 12823..12855		
Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o3.ts	Method	TBLASTX:Soybean

Start	12654	End	13069
GI	none	Score	90
Exons	12654..12731, 12654..12731, 12655..12738, 12664..12735, 12822..12887, 12983..13069		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	13253	End	16532
GI	none	Score	79
Exons	13253..13306, 13254..13307, 13615..13833, 13616..13783, 13618..13821, 13862..13975, 13863..13973, 16171..16257, 16173..16262, 16174..16257, 16394..16522, 16410..16532, 16410..16469, 16418..16531		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o4.ts	Method	TBLASTX:Soybean
Start	16176	End	16552
GI	none	Score	104
Exons	16176..16262, 16418..16552, 16422..16544		

Seq. No.	22394	Seq. ID	OJ990715_02.9922.C6
Gene No.	46622	Strand	-
Start	22833	End	22937
Name	OJ990715_02.9922.C6.o6.np	Method	AAT/NAP
Start	22833	End	22937
GI	5777617	Score	98
Exons	22833..22937		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46623	Strand	+
Start	14034	End	15626
Name	OJ990715_02.9922.C7.o3.gs	Method	GENSCAN
Start	14034	End	15626
GI	none	Score	.99
Exons	14034..15626		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46623	Strand	+
Start	14034	End	15626
Name	OJ990715_02.9922.C7.o3.np	Method	AAT/NAP
Start	14034	End	15620
GI	5042430	Score	1060
Exons	14034..15620		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46624	Strand	+
Start	16871	End	17133
Name	OJ990715_02.9922.C7.o4.gs	Method	GENSCAN
Start	16871	End	17133
GI	none	Score	.92
Exons	16871..16923, 16983..17133		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46625	Strand	+
Start	21716	End	22220
Name	OJ990715_02.9922.C7.o4.gp	Method	AAT/GAP
Start	21716	End	22220
GI	none	Score	758
Exons	21716..22220		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46626	Strand	-
Start	2825	End	11649
Name	OJ990715_02.9922.C7.o2.np	Method	AAT/NAP
Start	2825	End	9774
GI	4680203	Score	2040
Exons	2825..2854, 6161..7847, 8312..8364, 9556..9774		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46626	Strand	-
Start	2825	End	11649
Name	OJ990715_02.9922.C7.o1.np	Method	AAT/NAP
Start	2897	End	3325
GI	6539570	Score	253
Exons	2897..2963, 3123..3325		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46626	Strand	-
Start	2825	End	11649
Name	OJ990715_02.9922.C7.o2.gs	Method	GENSCAN
Start	5023	End	11649
GI	none	Score	.42
Exons	5023..5208, 5288..5386, 5481..5553, 5638..5714, 5845..7376, 7388..7847, 9395..9504, 9552..9732, 10245..10328, 11062..11150, 11171..11243, 11305..11649		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46626	Strand	-
Start	2825	End	11649
Name	OJ990715_02.9922.C7.o1.gp	Method	AAT/GAP
Start	6013	End	7843
GI	342_1.R1084	Score	3008
Exons	6013..7843		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46626	Strand	-
Start	2825	End	11649
Name	OJ990715_02.9922.C7.o3.gp	Method	AAT/GAP
Start	7708	End	8296
GI	2310235	Score	287
Exons	7708..7847, 8259..8296		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o3.tw	Method	TBLASTX:Wheat
Start	5989	End	6363
GI	none	Score	148
Exons	5989..6243, 6061..6231, 6065..6244, 6218..6361, 6241..6363		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	6352	End	6594
GI	none	Score	218
Exons	6352..6594		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	6424	End	6882
GI	none	Score	96
Exons	6424..6618, 6628..6882, 6628..6870		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	6458	End	6927
GI	none	Score	171
Exons	6458..6664, 6460..6666, 6460..6687, 6667..6765, 6668..6760, 6769..6873, 6773..6862, 6874..6927, 6875..6919		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	6715	End	7063
GI	none	Score	85
Exons	6715..7056, 6734..6871, 6911..7063		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	6796	End	7225
GI	none	Score	126
Exons	6796..7092, 6814..7038, 7087..7149, 7142..7225, 7150..7224		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o4.tw	Method	TBLASTX:Wheat
Start	7141	End	22222
GI	none	Score	99
Exons	7141..7329, 7154..7315, 7156..7392, 7157..7405, 7317..7406, 7389..7496, 22145..22222		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	14133	End	15611
GI	none	Score	151
Exons	14133..14360, 14358..14552, 14547..14687, 14706..14852, 14949..15113, 14999..15100, 15114..15374, 15131..15361, 15375..15521, 15413..15610, 15555..15611		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	14136	End	14405
GI	none	Score	249
Exons	14136..14405, 14168..14404		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o5.tw	Method	TBLASTX:Wheat
Start	14139	End	14537
GI	none	Score	83
Exons	14139..14273, 14280..14384, 14289..14345, 14403..14537, 14417..14461		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	14145	End	15611
GI	none	Score	125
Exons	14145..14339, 14388..14555, 14571..14699, 14679..14825, 14907..14939, 14958..15143, 14976..15083, 14999..15148, 15108..15362, 15137..15361, 15369..15545, 15407..15514, 15552..15611		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	14406	End	15613
GI	none	Score	120
Exons	14406..14549, 14420..14464, 14523..14690, 14555..14626, 14691..14801, 14720..14788, 14901..14987, 14943..15101, 14958..15089, 15002..15106, 15002..15103, 15134..15613, 15135..15611		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	15254	End	15608
GI	none	Score	357
Exons	15254..15514, 15255..15542, 15552..15608, 15552..15602		

Seq. No.	22395	Seq. ID	OJ990715_02.9922.C7
Gene No.	46627	Strand	-
Start	19742	End	22222
Name	OJ990715_02.9922.C7.o5.gs	Method	GENSCAN
Start	19742	End	19961
GI	none	Score	.51
Exons	19742..19961		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46628	Strand	+
Start	1	End	13405
Name	OJ990625_07.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	9987
GI	6466937	Score	2056
Exons	1..57, 3178..6049, 8923..9987		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46628	Strand	+
Start	1	End	13405
Name	OJ990625_07.9922.C1.o2.gs	Method	GENSCAN
Start	3118	End	13315
GI	none	Score	.46
Exons	3118..3884, 4083..4240, 4288..4658, 4974..5289, 6960..7201, 8096..8195, 9580..9754, 11831..11838, 12109..12312, 13107..13315		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46628	Strand	+
Start	1	End	13405
Name	OJ990625_07.9922.C1.o2.np	Method	AAT/NAP
Start	11895	End	13405
GI	3063699	Score	127
Exons	11895..12209, 13158..13405		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46629	Strand	-
Start	566	End	2164
Name	OJ990625_07.9922.C1.o1.gs	Method	GENSCAN
Start	566	End	2164
GI	none	Score	.63
Exons	566..669, 714..805, 898..1140, 1426..1475, 1883..2047, 2102..2164		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46630	Strand	-
Start	2373	End	2940
Name	OJ990625_07.9922.C1.o1.gp	Methpd	AAT/GAP
Start	2373	End	2940
GI	4879016	Score	835
Exons	2373..2940		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46631	Strand	
Start	3433	End	4068
Name	OJ990625_07.9922.C1.o6.tm	Method	TBLASTX:Maize
Start	3433	End	4068
GI	none	Score	109
Exons	3433..3555, 3592..3891, 3973..4068		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46632	Strand	
Start	4272	End	4808
Name	OJ990625_07.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	4272	End	4754
GI	none	Score	333
Exons	4272..4754, 4389..4712, 4553..4720		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46632	Strand	
Start	4272	End	4808
Name	OJ990625_07.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	4332	End	4808
GI	none	Score	454
Exons	4332..4808, 4335..4592		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46633	Strand	
Start	4731	End	5354
Name	OJ990625_07.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	4731	End	5090
GI	none	Score	273
Exons	4731..5090, 4835..5089		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46633	Strand	
Start	4731	End	5354
Name	OJ990625_07.9922.C1.o4.tw	Method	TBLASTX:Wheat
Start	4806	End	5204
GI	none	Score	235
Exons	4806..5204, 4835..5203		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46633	Strand	
Start	4731	End	5354
Name	OJ990625_07.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	4830	End	5354
GI	none	Score	562
Exons	4830..5210, 4833..5354, 4835..5044		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46634	Strand	
Start	5357	End	9299
Name	OJ990625_07.9922.C1.o5.tm	Method	TBLASTX:Maize
Start	5357	End	5794
GI	none	Score	120
Exons	5357..5386, 5419..5529, 5420..5557, 5549..5794, 5677..5793		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1

Gene No.	46634	Strand	
Start	5357	End	9299
Name	OJ990625_07.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	5552	End	5947
GI	none	Score	391
Exons	5552..5947, 5686..5946		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46634	Strand	
Start	5357	End	9299
Name	OJ990625_07.9922.C1.o7.tm	Method	TBLASTX:Maize
Start	5795	End	5971
GI	none	Score	190
Exons	5795..5971, 5800..5967		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46634	Strand	
Start	5357	End	9299
Name	OJ990625_07.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	5833	End	9027
GI	none	Score	189
Exons	5833..6042, 5834..6046, 8923..9027		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46634	Strand	
Start	5357	End	9299
Name	OJ990625_07.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	5972	End	9251
GI	none	Score	93
Exons	5972..6049, 5974..6039, 8920..9027, 8921..9025, 8946..9068, 9023..9250, 9033..9251		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46634	Strand	
Start	5357	End	9299
Name	OJ990625_07.9922.C1.o5.tw	Method	TBLASTX:Wheat
Start	8923	End	9299
GI	none	Score	64
Exons	8923..9027, 9039..9299		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46635	Strand	
Start	9252	End	10004
Name	OJ990625_07.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	9252	End	10004
GI	none	Score	90
Exons	9252..9308, 9263..9307, 9349..9633, 9369..9431, 9468..9605, 9695..9763, 9772..9888, 9796..9879, 9942..10004, 9949..9999		

Seq. No.	22396	Seq. ID	OJ990625_07.9922.C1
Gene No.	46635	Strand	
Start	9252	End	10004
Name	OJ990625_07.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	9349	End	9642
GI	none	Score	280
Exons	9349..9642, 9357..9608		

Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46636	Strand	+
Start	11377	End	11491
Name	OJ990625_07.9922.C2.o2.gp	Method	AAT/GAP
Start	11377	End	11491
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	11377..11491		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46637	Strand	+
Start	13532	End	13802
Name	OJ990625_07.9922.C2.o3.np	Method	AAT/NAP
Start	13532	End	13802
GI	5922634	Score	128
Exons	13532..13631, 13752..13802		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46638	Strand	-
Start	15	End	283
Name	OJ990625_07.9922.C2.o1.gs	Method	GENSCAN
Start	15	End	283
GI	none	Score	.97
Exons	15..283		

Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46639	Strand	-
Start	5690	End	13802
Name	OJ990625_07.9922.C2.o2.np	Method	AAT/NAP
Start	5690	End	12323
GI	6705984	Score	248
Exons	5690..5739, 9406..9909, 12261..12323		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46639	Strand	-
Start	5690	End	13802
Name	OJ990625_07.9922.C2.o1.np	Method	AAT/NAP
Start	5959	End	13802
GI	6063554	Score	155
Exons	5959..6133, 7274..7510, 7632..7834, 13774..13802		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46639	Strand	-
Start	5690	End	13802
Name	OJ990625_07.9922.C2.o1.gp	Method	AAT/GAP
Start	6119	End	6550
GI	2428185	Score	713
Exons	6119..6550		

GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46639	Strand	-
Start	5690	End	13802
Name	OJ990625_07.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	8429	End	9776
GI	none	Score	57
Exons	8429..8482, 8466..8516, 9522..9776, 9598..9762		
Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46639	Strand	-
Start	5690	End	13802
Name	OJ990625_07.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	9474	End	9740
GI	none	Score	75
Exons	9474..9740, 9577..9723		
Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46639	Strand	-
Start	5690	End	13802
Name	OJ990625_07.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	9516	End	9740
GI	none	Score	75
Exons	9516..9740, 9577..9723		
Seq. No.	22397	Seq. ID	OJ990625_07.9922.C2
Gene No.	46639	Strand	-
Start	5690	End	13802
Name	OJ990625_07.9922.C2.o3.gs	Method	GENSCAN
Start	12096	End	13716
GI	none	Score	.81
Exons	12096..12599, 12964..13110, 13609..13716		
Seq. No.	22398	Seq. ID	OJ990625_07.9922.C3
Gene No.	46640	Strand	-
Start	228	End	1500
Name	OJ990625_07.9922.C3.o1.gs	Method	GENSCAN
Start	228	End	1500
GI	none	Score	.5
Exons	228..614, 1091..1303, 1411..1500		
Seq. No.	22398	Seq. ID	OJ990625_07.9922.C3
Gene No.	46640	Strand	-
Start	228	End	1500
Name	OJ990625_07.9922.C3.o1.np	Method	AAT/NAP
Start	729	End	1215
GI	4680183	Score	253
Exons	729..1215		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	22398	Seq. ID	OJ990625_07.9922.C3
Gene No.	46640	Strand	-
Start	228	End	1500
Name	OJ990625_07.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	890	End	1231

GI	none	Score	74
Exons	890..1231, 909..1181		
Seq. No.	22398	Seq. ID	OJ990625_07.9922.C3
Gene No.	46640	Strand	-
Start	228	End	1500
Name	OJ990625_07.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	977	End	1246
GI	none	Score	60
Exons	977..1246, 978..1115		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	2943
GI	4680179	Score	5037
Exons	1..2943		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o1.gs	Method	GENSCAN
Start	76	End	2946
GI	none	Score	.87
Exons	76..751, 845..2946		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	106	End	588
GI	none	Score	550
Exons	106..588, 210..545, 217..579		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	118	End	407
GI	none	Score	322
Exons	118..405, 216..407		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	142	End	456
GI	none	Score	183
Exons	142..456, 258..455		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	475	End	975

GI	none	Score	161
Exons	475..654, 640..975, 726..857, 882..932		

Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	529	End	924
GI	none	Score	57
Exons	529..561, 529..573, 565..924, 565..708, 669..923		

Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o5.tw	Method	TBLASTX:Wheat
Start	637	End	939
GI	none	Score	396
Exons	637..939, 638..739, 669..938		

Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	940	End	1455
GI	none	Score	624
Exons	940..1455, 948..1283, 1018..1365		

Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	946	End	1191
GI	none	Score	202
Exons	946..1191		

Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	1012	End	1377
GI	none	Score	484
Exons	1012..1365, 1014..1280, 1066..1377, 1173..1370		

Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	1456	End	1932
GI	none	Score	552
Exons	1456..1932, 1486..1899, 1677..1931		

Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	1720	End	1980
GI	none	Score	285

Exons	1720..1980, 1725..1979		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	1779	End	2070
GI	none	Score	379
Exons	1779..2066, 1780..2070		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	1939	End	2565
GI	none	Score	731
Exons	1939..2565, 1941..2564		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	2122	End	2718
GI	none	Score	221
Exons	2122..2280, 2127..2273, 2278..2718, 2280..2693		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o6.tw	Method	TBLASTX:Wheat
Start	2565	End	2933
GI	none	Score	356
Exons	2565..2636, 2566..2898, 2593..2673, 2658..2774, 2880..2933		
Seq. No.	22399	Seq. ID	OJ990625_07.9922.C5
Gene No.	46641	Strand	+
Start	1	End	2946
Name	OJ990625_07.9922.C5.o6.tm	Method	TBLASTX:Maize
Start	2722	End	2919
GI	none	Score	197
Exons	2722..2919		
Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46642	Strand	+
Start	198	End	626
Name	OJ990625_07.9922.C6.o1.gs	Method	GENSCAN
Start	198	End	626
GI	none	Score	.81
Exons	198..262, 446..626		
Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46643	Strand	+
Start	2854	End	17128
Name	OJ990625_07.9922.C6.o3.gs	Method	GENSCAN
Start	2854	End	6707
GI	none	Score	.43
Exons	2854..3081, 4548..4760, 5687..5719, 5992..6070, 6106..6292,		

6632..6707

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46643	Strand	+
Start	2854	End	17128
Name	OJ990625_07.9922.C6.o1.np	Method	AAT/NAP
Start	6083	End	14239
GI	6056374	Score	1811
Exons	6083..6292, 6372..6443, 6632..6706, 6750..6851, 8534..8605, 8716..8792, 8869..8935, 9434..9540, 9596..9739, 9926..9997, 10088..10153, 10250..10315, 10387..10431, 10570..10631, 10715..11094, 11179..11359, 11433..11588, 11673..11791, 11915..12125, 12301..12532, 12614..12764, 12852..13076, 14088..14239		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46643	Strand	+
Start	2854	End	17128
Name	OJ990625_07.9922.C6.o4.gs	Method	GENSCAN
Start	7655	End	17128
GI	none	Score	.49
Exons	7655..7749, 8534..8605, 8864..8935, 9049..9101, 10715..11094, 11179..11305, 11433..11591, 11673..11791, 11915..12125, 12352..12532, 12614..12764, 12852..13095, 14408..14487, 14559..14665, 14799..14851, 15005..15076, 15449..15576, 16142..17128		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46644	Strand	-
Start	1709	End	2116
Name	OJ990625_07.9922.C6.o2.gs	Method	GENSCAN
Start	1709	End	2116
GI	none	Score	.43
Exons	1709..2116		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	10777	End	11539
GI	none	Score	201
Exons	10777..11094, 10950..11093, 10992..11099, 11157..11225, 11179..11271, 11251..11313, 11320..11358, 11432..11539		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	10824	End	11313
GI	none	Score	282
Exons	10824..11084, 10825..11094, 10827..11096, 10948..11094, 11175..11303, 11179..11313		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	

Start	10777	End	13098
Name	OJ990625_07.9922.C6.o2.tc	Method	TBLASTX:Cress
Start	10867	End	11454
GI	none	Score	216
Exons	10867..11094, 10923..11087, 11176..11307, 11179..11313, 11317..11358, 11319..11360, 11431..11454		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	11432	End	12761
GI	none	Score	46
Exons	11432..11476, 11476..11568, 11672..11791, 11889..12125, 11906..12127, 11907..12125, 11914..12126, 12299..12532, 12300..12530, 12314..12532, 12324..12554, 12614..12760, 12615..12761, 12630..12761		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o3.tc	Method	TBLASTX:Cress
Start	11702	End	12127
GI	none	Score	107
Exons	11702..11794, 11755..11793, 11911..12126, 11912..12127		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	11717	End	12109
GI	none	Score	68
Exons	11717..11803, 11906..12109, 11983..12108		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	11764	End	13031
GI	none	Score	42
Exons	11764..11790, 11765..11791, 11906..12127, 11914..12126, 12284..12529, 12318..12533, 12611..12760, 12615..12764, 12624..12764, 12909..13031		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	12312	End	12764
GI	none	Score	74
Exons	12312..12380, 12399..12482, 12498..12530, 12581..12709, 12614..12709, 12615..12764		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o1.tc	Method	TBLASTX:Cress

Start	12321	End	12764
GI	none	Score	275
Exons	12321..12533, 12323..12529, 12351..12530, 12611..12763, 12615..12764		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o4.tc	Method	TBLASTX:Cress
Start	12837	End	13073
GI	none	Score	209
Exons	12837..13073, 12852..13070		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	12849	End	13052
GI	none	Score	202
Exons	12849..13052, 12849..13040, 12863..13051		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46645	Strand	
Start	10777	End	13098
Name	OJ990625_07.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	12861	End	13098
GI	none	Score	259
Exons	12861..13076, 12863..13072, 12938..13081, 12955..13098		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46646	Strand	
Start	16186	End	16744
Name	OJ990625_07.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	16186	End	16651
GI	none	Score	198
Exons	16186..16374, 16190..16447, 16190..16381, 16481..16549, 16562..16651		

Seq. No.	22400	Seq. ID	OJ990625_07.9922.C6
Gene No.	46646	Strand	
Start	16186	End	16744
Name	OJ990625_07.9922.C6.o4.tw	Method	TBLASTX:Wheat
Start	16484	End	16744
GI	none	Score	184
Exons	16484..16681, 16489..16665, 16562..16744, 16688..16744		

Seq. No.	22401	Seq. ID	OJ990625_07.9922.C7
Gene No.	46647	Strand	+
Start	33	End	3319
Name	OJ990625_07.9922.C7.o1.np	Method	AAT/NAP
Start	33	End	3319
GI	5734709	Score	95
Exons	33..321, 353..847, 3290..3319		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	22402	Seq. ID	OJ990625_07.9922.C8

Gene No.	46648	Strand	+
Start	84	End	3030
Name	OJ990625_07.9922.C8.o1.gs	Method	GENSCAN
Start	84	End	2464
GI	none	Score	.53
Exons	84..356, 1222..1356, 1572..1657, 1776..1915, 2311..2464		

Seq. No.	22402	Seq. ID	OJ990625_07.9922.C8
Gene No.	46648	Strand	+
Start	84	End	3030
Name	OJ990625_07.9922.C8.o1.np	Method	AAT/NAP
Start	928	End	3030
GI	4680203	Score	1331
Exons	928..2429, 2945..3030		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22402	Seq. ID	OJ990625_07.9922.C8
Gene No.	46648	Strand	+
Start	84	End	3030
Name	OJ990625_07.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	1240	End	1631
GI	none	Score	79
Exons	1240..1377, 1266..1391, 1374..1556, 1382..1549, 1403..1615, 1530..1631, 1555..1614		

Seq. No.	22402	Seq. ID	OJ990625_07.9922.C8
Gene No.	46648	Strand	+
Start	84	End	3030
Name	OJ990625_07.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	1893	End	2253
GI	none	Score	100
Exons	1893..1985, 1894..1992, 1895..1996, 2010..2096, 2011..2097, 2097..2150, 2147..2248, 2149..2253		

Seq. No.	22402	Seq. ID	OJ990625_07.9922.C8
Gene No.	46648	Strand	+
Start	84	End	3030
Name	OJ990625_07.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	1895	End	2287
GI	none	Score	89
Exons	1895..2014, 2011..2127, 2138..2287		

Seq. No.	22403	Seq. ID	OJ990625_07.9922.C9
Gene No.	46649	Strand	-
Start	572	End	646
Name	OJ990625_07.9922.C9.o1.gs	Method	GENSCAN
Start	572	End	646
GI	none	Score	.42
Exons	572..646		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46650	Strand	+
Start	143	End	2180
Name	OJ990625_07.9922.C10.o1.np	Method	AAT/NAP
Start	143	End	2180
GI	6539588	Score	108
Exons	143..431, 574..631, 2159..2180		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o3.np	Method	AAT/NAP
Start	2566	End	6666
GI	4914361	Score	2324
Exons	2566..4470, 4504..5283, 5341..5792, 5850..6084, 6139..6666		
GI Descrip.	(AC007289) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o2.np	Method	AAT/NAP
Start	2591	End	8218
GI	5295971	Score	3054
Exons	2591..6860, 8194..8218		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	2624	End	3288
GI	none	Score	108
Exons	2624..2875, 2628..2876, 2873..2989, 2993..3097, 2994..3065, 3126..3287, 3145..3288		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	2627	End	3257
GI	none	Score	66
Exons	2627..2794, 2627..3079, 2676..2804, 2829..3074, 3129..3257		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o5.tm	Method	TBLASTX:Maize
Start	2627	End	2872
GI	none	Score	72
Exons	2627..2872, 2639..2797, 2745..2837		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	2654	End	3097
GI	none	Score	69
Exons	2654..2833, 2870..3097, 2883..2969		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10

Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	2873	End	3330
GI	none	Score	117
Exons	2873..3091, 2874..2987, 2875..3090, 2891..3094, 3123..3320, 3124..3330, 3129..3320		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	3129	End	3455
GI	none	Score	93
Exons	3129..3281, 3309..3455		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o6.tm	Method	TBLASTX:Maize
Start	3330	End	3587
GI	none	Score	111
Exons	3330..3587, 3331..3564, 3423..3569		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	3635	End	4136
GI	5509260	Score	53
Exons	3635..3754, 3657..3755, 3783..4136, 3859..4119		
GI Descrip.	-		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	3654	End	4097
GI	none	Score	56
Exons	3654..3752, 3665..3754, 3777..4046, 3868..3969, 4026..4097		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o3.tc	Method	TBLASTX:Cress
Start	3777	End	4014
GI	none	Score	64
Exons	3777..4013, 3807..3998, 3838..4014		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	3789	End	4110
GI	none	Score	244
Exons	3789..4109, 3790..4110		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	4435	End	4929
GI	none	Score	159
Exons	4435..4929, 4634..4924		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	4471	End	4938
GI	none	Score	232
Exons	4471..4938		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	4531	End	4956
GI	none	Score	40
Exons	4531..4602, 4535..4591, 4586..4942, 4609..4956		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	4603	End	5163
GI	none	Score	107
Exons	4603..4692, 4699..5163, 4793..5161		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o4.ts	Method	TBLASTX:Soybean
Start	4969	End	5298
GI	none	Score	216
Exons	4969..5298, 5122..5202		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	5236	End	5688
GI	none	Score	53
Exons	5236..5322, 5323..5688, 5411..5572, 5603..5668		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10
Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	5302	End	5710
GI	none	Score	59
Exons	5302..5451, 5306..5446, 5461..5700, 5494..5709, 5510..5710		

Seq. No.	22404	Seq. ID	OJ990625_07.9922.C10

Gene No.	46651	Strand	-
Start	2566	End	8218
Name	OJ990625_07.9922.C10.o7.tm	Method	TBLASTX:Maize
Start	6199	End	6523
GI	none	Score	102
Exons	6199..6522, 6212..6523		

Seq. No.	22405	Seq. ID	OJ990625_07.9922.C12
Gene No.	46652	Strand	-
Start	129	End	1246
Name	OJ990625_07.9922.C12.o1.np	Method	AAT/NAP
Start	129	End	1246
GI	2443320	Score	1658
Exons	129..1246		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	22405	Seq. ID	OJ990625_07.9922.C12
Gene No.	46652	Strand	-
Start	129	End	1246
Name	OJ990625_07.9922.C12.o2.tw	Method	TBLASTX:Wheat
Start	168	End	656
GI	none	Score	326
Exons	168..656, 169..651		

Seq. No.	22405	Seq. ID	OJ990625_07.9922.C12
Gene No.	46652	Strand	-
Start	129	End	1246
Name	OJ990625_07.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	180	End	765
GI	none	Score	48
Exons	180..362, 393..692, 694..765		

Seq. No.	22405	Seq. ID	OJ990625_07.9922.C12
Gene No.	46652	Strand	-
Start	129	End	1246
Name	OJ990625_07.9922.C12.o1.gs	Method	GENSCAN
Start	234	End	906
GI	none	Score	.55
Exons	234..682, 699..906		

Seq. No.	22405	Seq. ID	OJ990625_07.9922.C12
Gene No.	46652	Strand	-
Start	129	End	1246
Name	OJ990625_07.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	264	End	756
GI	none	Score	58
Exons	264..368, 396..698, 409..525, 700..756		

Seq. No.	22405	Seq. ID	OJ990625_07.9922.C12
Gene No.	46652	Strand	-
Start	129	End	1246
Name	OJ990625_07.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	727	End	1246
GI	none	Score	235
Exons	727..1191, 728..1042, 856..1191, 1073..1207, 1116..1232, 1177..1245, 1177..1245, 1181..1246		

Seq. No.	22406	Seq. ID	OJ990625_07.9922.C14
Gene No.	46653	Strand	-
Start	455	End	523
Name	OJ990625_07.9922.C14.o1.gs	Method	GENSCAN
Start	455	End	523
GI	none	Score	.49
Exons	455..523		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46654	Strand	+
Start	5810	End	8513
Name	OJ990625_07.9922.C15.o2.np	Method	AAT/NAP
Start	5810	End	8513
GI	6069646	Score	79
Exons	5810..5963, 8474..8513		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46655	Strand	-
Start	1	End	4874
Name	OJ990625_07.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	2261
GI	2443320	Score	2690
Exons	1..2261		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46655	Strand	-
Start	1	End	4874
Name	OJ990625_07.9922.C15.o1.gs	Method	GENSCAN
Start	9	End	4874
GI	none	Score	.4
Exons	9..397, 2075..2261, 2561..2609, 3273..3445, 4812..4874		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46655	Strand	-
Start	1	End	4874
Name	OJ990625_07.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	129	End	814
GI	none	Score	211
Exons	129..410, 169..417, 203..415, 408..785, 410..814, 411..788		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46655	Strand	-
Start	1	End	4874
Name	OJ990625_07.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	138	End	676
GI	none	Score	65
Exons	138..281, 273..350, 410..676, 456..551		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46655	Strand	-
Start	1	End	4874

Name	OJ990625_07.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	150	End	580
GI	none	Score	81
Exons	150..281, 273..350, 354..404, 410..580, 411..566		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46655	Strand	-
Start	1	End	4874
Name	OJ990625_07.9922.C15.o2.ts	Method	TBLASTX:Soybean
Start	590	End	973
GI	none	Score	97
Exons	590..814, 839..973		

Seq. No.	22407	Seq. ID	OJ990625_07.9922.C15
Gene No.	46655	Strand	-
Start	1	End	4874
Name	OJ990625_07.9922.C15.o2.tw	Method	TBLASTX:Wheat
Start	815	End	1294
GI	none	Score	113
Exons	815..982, 834..980, 865..990, 865..993, 998..1111, 1030..1110, 1121..1267, 1122..1244, 1265..1294		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46656	Strand	+
Start	340	End	438
Name	OJ990625_07.9922.C16.o1.gs	Method	GENSCAN
Start	340	End	438
GI	none	Score	.98
Exons	340..438		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46657	Strand	+
Start	6387	End	7237
Name	OJ990625_07.9922.C16.o3.gs	Method	GENSCAN
Start	6387	End	7237
GI	none	Score	.97
Exons	6387..6454, 6560..6741, 6828..7237		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46658	Strand	-
Start	3426	End	7182
Name	OJ990625_07.9922.C16.o1.np	Method	AAT/NAP
Start	3403	End	7182
GI	3451068	Score	641
Exons	3403..3584, 5285..5363, 5494..5647, 5891..5986, 6346..6612, 7074..7182		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46658	Strand	-
Start	3426	End	7182
Name	OJ990625_07.9922.C16.o2.gs	Method	GENSCAN
Start	3426	End	5612
GI	none	Score	.94
Exons	3426..3584, 4237..4283, 4794..4878, 5430..5612		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16

Gene No.	46659	Strand	-
Start	8106	End	8842
Name	OJ990625_07.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	3408	End	8842
GI	none	Score	69
Exons	3408..3587, 3426..3569, 3448..3588, 8668..8841, 8686..8823, 8702..8842		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46659	Strand	-
Start	8106	End	8842
Name	OJ990625_07.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	3433	End	8842
GI	none	Score	139
Exons	3433..3588, 3435..3587, 4790..4834, 4825..4881, 8692..8841, 8699..8842		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46659	Strand	-
Start	8106	End	8842
Name	OJ990625_07.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	4810	End	7189
GI	none	Score	124
Exons	4810..4881, 5330..5362, 5490..5654, 5491..5649, 5874..5969, 6380..6631, 6384..6614, 7073..7189		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46659	Strand	-
Start	8106	End	8842
Name	OJ990625_07.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	5889	End	7153
GI	none	Score	171
Exons	5889..6005, 6380..6631, 6384..6614, 7072..7131, 7073..7153		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46659	Strand	-
Start	8106	End	8842
Name	OJ990625_07.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	6380	End	7153
GI	none	Score	172
Exons	6380..6631, 6384..6614, 6604..6651, 7072..7131, 7073..7153		

Seq. No.	22408	Seq. ID	OJ990625_07.9922.C16
Gene No.	46659	Strand	-
Start	8106	End	8842
Name	OJ990625_07.9922.C16.o4.gs	Method	GENSCAN
Start	8106	End	8838
GI	none	Score	.87
Exons	8106..8244, 8711..8838		

Seq. No.	22409	Seq. ID	OJ990625_07.9922.C18
Gene No.	46660	Strand	-
Start	1	End	253
Name	OJ990625_07.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	253
GI	4581164	Score	116
Exons	1..253		

GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	22409	Seq. ID	OJ990625_07.9922.C18
Gene No.	46660	Strand	-
Start	1	End	253
Name	OJ990625_07.9922.C18.o1.tm	Method	TBLASTX:Maize
Start	5	End	243
GI	none	Score	70
Exons	5..202, 7..243, 8..118		
Seq. No.	22409	Seq. ID	OJ990625_07.9922.C18
Gene No.	46660	Strand	-
Start	1	End	253
Name	OJ990625_07.9922.C18.o1.tw	Method	TBLASTX:Wheat
Start	7	End	246
GI	none	Score	103
Exons	7..246, 32..190		
Seq. No.	22410	Seq. ID	OJ990625_06.9927.C1
Gene No.	46661	Strand	+
Start	526	End	816
Name	OJ990625_06.9927.C1.o1.gs	Method	GENSCAN
Start	526	End	816
GI	none	Score	.67
Exons	526..816		
Seq. No.	22411	Seq. ID	OJ990625_06.9927.C2
Gene No.	46662	Strand	
Start	2900	End	3034
Name	OJ990625_06.9927.C2.o1.tm	Method	TBLASTX:Maize
Start	2900	End	3034
GI	none	Score	188
Exons	2900..3034, 2926..3033		
Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46663	Strand	+
Start	1	End	1658
Name	OJ990625_06.9927.C3.o1.gp	Method	AAT/GAP
Start	1	End	1658
GI	2310356	Score	472
Exons	1..24, 308..440, 604..692, 1620..1658		
GI Descrip.	3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]		
Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46664	Strand	+
Start	1614	End	9167
Name	OJ990625_06.9927.C3.o1.gs	Method	GENSCAN
Start	1614	End	9167
GI	none	Score	.68
Exons	1614..1858, 3026..3112, 3479..3578, 4066..4279, 4364..4507, 5671..5785, 6359..7149, 7881..8003, 8372..8472, 9000..9167		
Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46664	Strand	+
Start	1614	End	9167
Name	OJ990625_06.9927.C3.o2.gp	Method	AAT/GAP

Start	4411	End	5564
GI	27473_1.R1084	Score	1586
Exons	4411..4507, 4831..5564		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46665	Strand	+
Start	9793	End	24566
Name	OJ990625_06.9927.C3.o3.gp	Method	AAT/GAP
Start	9793	End	13380
GI	879_1.R1084	Score	2481
Exons	9793..9905, 10345..10416, 10523..10632, 10715..10772, 11197..11460, 11545..11682, 12006..12057, 12267..12346, 12671..12730, 12826..12906, 13041..13380		
GI Descrip.	'4574139/gb|AAD23909.1|AF073697_1 1.0e-166 (AF073697) cysteine synthase [Oryza sativa]'		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46665	Strand	+
Start	9793	End	24566
Name	OJ990625_06.9927.C3.o1.np	Method	AAT/NAP
Start	10375	End	13130
GI	4574139	Score	1351
Exons	10375..10416, 10523..10632, 10715..10772, 11197..11460, 11545..11682, 12006..12057, 12267..12346, 12671..12730, 12826..12906, 13041..13130		
GI Descrip.	(AF073697) cysteine synthase [Oryza sativa]		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46665	Strand	+
Start	9793	End	24566
Name	OJ990625_06.9927.C3.o3.gs	Method	GENSCAN
Start	10516	End	24566
GI	none	Score	.86
Exons	10516..10571, 10715..10772, 11197..11460, 11545..11682, 12006..12057, 12267..12346, 12671..12730, 12826..12906, 12997..13059, 13993..14178, 14290..14418, 14638..14781, 14887..15032, 15144..15300, 15796..15945, 16051..16187, 16273..16419, 16542..16794, 17159..17260, 17332..17369, 17588..17714, 17795..17965, 18055..18186, 18317..18423, 18557..18617, 18712..18889, 18987..19192, 19315..19434, 19523..19621, 19763..19978, 20075..20214, 20301..20402, 20489..20603, 20871..20936, 21065..21222, 21336..21432, 21673..21879, 21958..22104, 22177..22247, 22390..22489, 22711..22767, 22850..22930, 23061..23143, 24119..24566		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46665	Strand	+
Start	9793	End	24566
Name	OJ990625_06.9927.C3.o2.np	Method	AAT/NAP
Start	14704	End	23370
GI	4887746	Score	4403
Exons	14704..14781, 14887..15032, 15144..15300, 15399..15457, 15542..15701, 15796..15945, 16051..16187, 16273..16419, 16542..16643, 16737..16794, 17159..17260, 17332..17369, 17588..17714, 17795..17965, 18055..18186, 18317..18423, 18557..18617, 18712..18889, 18987..19192, 19315..19434,		

19523..19621, 19763..19978, 20075..20214, 20301..20402,
20489..20640, 20874..20936, 21065..21235, 21336..21495,
21677..21879, 21958..22104, 22177..22247, 22390..22489,
22578..22634, 22711..22767, 22850..22930, 23061..23143,
23246..23370

GI Descrip. (AC006533) putative unconventional myosin [Arabidopsis thaliana]

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46666	Strand	-
Start	9755	End	10165
Name	OJ990625_06.9927.C3.o2.gs	Method	GENSCAN
Start	9755	End	10165
GI	none	Score	1
Exons	9755..10165		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o8.tm	Method	TBLASTX:Maize
Start	302	End	733
GI	none	Score	191
Exons	302..448, 305..442, 379..444, 534..626, 587..628, 639..695, 641..733, 652..696		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o8.ts	Method	TBLASTX:Soybean
Start	305	End	4230
GI	none	Score	77
Exons	305..400, 1617..1859, 1617..1856, 1739..1858, 3026..3115, 3027..3113, 3477..3575, 3483..3575, 3485..3589, 4056..4214, 4069..4230		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o6.tm	Method	TBLASTX:Maize
Start	1639	End	4269
GI	none	Score	342
Exons	1639..1857, 1640..1858, 1641..1859, 3019..3105, 3021..3113, 3021..3110, 3477..3581, 3478..3576, 3479..3577, 4056..4184, 4066..4182, 4156..4269, 4185..4241		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o5.ts	Method	TBLASTX:Soybean
Start	5751	End	6687
GI	none	Score	72
Exons	5751..5825, 5752..5823, 6432..6560, 6573..6686, 6610..6687		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o1.tw	Method	TBLASTX:Wheat
Start	10326	End	11418

GI	none	Score	165
Exons	10326..10418, 10520..10633, 10522..10632, 10712..10768, 10713..10772, 11196..11417, 11196..11417, 11197..11418		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o1.tm	Method	TBLASTX:Maize
Start	10374	End	13136
GI	none	Score	37
Exons	10374..10415, 10375..10413, 10520..10633, 10522..10632, 10712..10768, 10713..10769, 11196..11459, 11196..11459, 11197..11463, 11197..11463, 11542..11700, 11550..11612, 11652..11699, 12000..12059, 12265..12309, 12266..12361, 12670..12732, 12671..12733, 12825..12854, 12825..12908, 12880..12909, 13040..13129, 13041..13136		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o1.ts	Method	TBLASTX:Soybean
Start	10520	End	13135
GI	none	Score	166
Exons	10520..10633, 10522..10632, 10526..10633, 10712..10768, 10713..10772, 11196..11459, 11196..11459, 11197..11463, 11542..11700, 11542..11649, 11543..11674, 11649..11699, 12000..12059, 12265..12309, 12266..12361, 12671..12733, 12673..12732, 12810..12863, 12819..12905, 12880..12906, 13043..13135, 13044..13133		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o2.tc	Method	TBLASTX:Cress
Start	10520	End	13136
GI	none	Score	159
Exons	10520..10633, 10522..10632, 10536..10637, 10713..10772, 10713..10772, 10714..10773, 11192..11374, 11196..11321, 11196..11456, 11197..11463, 11536..11631, 11542..11700, 11649..11699, 11991..12059, 12011..12058, 12266..12361, 12266..12346, 12670..12732, 12671..12733, 12825..12905, 13044..13136, 13049..13135		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o1.tc	Method	TBLASTX:Cress
Start	14302	End	23312
GI	none	Score	130
Exons	14302..14421, 14634..14777, 14638..14781, 14672..14788, 14887..15033, 14892..15023, 14905..15045, 15141..15299, 15142..15300, 15398..15457, 15399..15455, 15536..15703, 15540..15701, 15550..15702, 15793..15945, 15795..15824, 15891..15947, 16041..16187, 16048..16185, 16267..16446, 16274..16420, 16535..16648, 16540..16647, 16543..16668, 16723..16794, 16734..16790, 17117..17260, 17156..17251, 17329..17367, 17588..17719, 17589..17720, 17794..17919,		

17795..17929, 17899..17964, 17906..17965, 18054..18185,
18073..18186, 18316..18426, 18317..18418, 18551..18616,
18555..18620, 18708..18890, 18709..18891, 18991..19197,
18992..19192, 19312..19434, 19314..19433, 19472..19621,
19766..19903, 21067..21252, 21068..21235, 21753..21848,
21754..21879, 22018..22122, 22177..22272, 22387..22485,
22388..22486, 22559..22636, 22560..22637, 22711..22770,
22841..22933, 23058..23141, 23232..23312

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o3.ts	Method	TBLASTX:Soybean
Start	14692	End	15683
GI	none	Score	91
Exons	14692..14781, 14887..14937, 15139..15285, 15144..15269, 15394..15429, 15399..15455, 15509..15634, 15540..15683		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o7.tm	Method	TBLASTX:Maize
Start	14887	End	15698
GI	none	Score	49
Exons	14887..14934, 14995..15024, 15138..15269, 15148..15270, 15378..15455, 15540..15698		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o5.tm	Method	TBLASTX:Maize
Start	16072	End	16569
GI	none	Score	177
Exons	16072..16188, 16074..16193, 16078..16197, 16270..16446, 16274..16420, 16543..16569		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o4.tm	Method	TBLASTX:Maize
Start	17588	End	18156
GI	none	Score	183
Exons	17588..17716, 17589..17717, 17775..17858, 17792..17965, 17794..17964, 17801..17965, 17917..17973, 18053..18154, 18054..18155, 18054..18155, 18073..18156		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o4.ts	Method	TBLASTX:Soybean
Start	17625	End	17940
GI	none	Score	143
Exons	17625..17720, 17627..17719, 17795..17836, 17815..17940, 17837..17938		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-

Start	25428	End	26216
Name	OJ990625_06.9927.C3.o6.ts	Method	TBLASTX:Soybean
Start	18053	End	18427
GI	none	Score	74
Exons	18053..18175, 18057..18194, 18073..18186, 18277..18393, 18290..18427		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o3.tm	Method	TBLASTX:Maize
Start	18319	End	19564
GI	none	Score	133
Exons	18319..18420, 18320..18421, 18555..18620, 18555..18617, 18706..18849, 18709..18891, 18711..18908, 18991..19191, 18992..19192, 19043..19195, 19306..19434, 19311..19433, 19312..19422, 19463..19564		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o7.ts	Method	TBLASTX:Soybean
Start	19100	End	20361
GI	none	Score	106
Exons	19100..19192, 19312..19434, 19314..19433, 19472..19621, 19485..19622, 19762..19971, 19762..19800, 19766..19978, 19766..19834, 19900..19932, 19901..19978, 20283..20345, 20299..20361		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o2.tm	Method	TBLASTX:Maize
Start	21392	End	23099
GI	none	Score	95
Exons	21392..21490, 21394..21492, 21400..21489, 21687..21881, 21687..21905, 21688..21906, 21953..22093, 21954..22121, 21954..22088, 21955..22122, 21955..22122, 22174..22245, 22176..22247, 22177..22284, 22380..22487, 22387..22488, 22388..22489, 22391..22489, 22575..22637, 22576..22638, 22576..22635, 22577..22636, 22699..22770, 22701..22769, 22842..22931, 22842..22931, 22849..22941, 22850..22933, 23058..23099, 23060..23098		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o2.tw	Method	TBLASTX:Wheat
Start	21750	End	22122
GI	none	Score	149
Exons	21750..21875, 21751..21879, 21979..22122		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o2.ts	Method	TBLASTX:Soybean
Start	21772	End	23354

GI	none	Score	148
Exons	21772..21879, 21774..21878, 22012..22104, 22180..22284, 22387..22488, 22388..22489, 22562..22636, 22575..22637, 22696..22785, 22711..22770, 22840..22935, 22841..22933, 23061..23141, 23232..23354		

Seq. No.	22412	Seq. ID	OJ990625_06.9927.C3
Gene No.	46667	Strand	-
Start	25428	End	26216
Name	OJ990625_06.9927.C3.o4.gs	Method	GENSCAN
Start	25428	End	26216
GI	none	Score	.77
Exons	25428..25502, 26181..26216		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46668	Strand	+
Start	1	End	3585
Name	OJ990625_06.9927.C4.o1.gp	Method	AAT/GAP
Start	1	End	872
GI	none	Score	814
Exons	1..178, 409..482, 590..749, 832..872		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46668	Strand	+
Start	1	End	3585
Name	OJ990625_06.9927.C4.o1.gs	Method	GENSCAN
Start	360	End	3585
GI	none	Score	.68
Exons	360..482, 590..749, 832..899, 1125..1670, 1922..2509, 2589..2874, 3110..3334, 3389..3585		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46668	Strand	+
Start	1	End	3585
Name	OJ990625_06.9927.C4.o1.np	Method	AAT/NAP
Start	381	End	3318
GI	4204265	Score	1008
Exons	381..508, 625..795, 1148..1428, 1483..1703, 1937..2509, 2589..2801, 3154..3318		
GI Descrip.	(AC005223) 45643 [Arabidopsis thaliana]		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46668	Strand	+
Start	1	End	3585
Name	OJ990625_06.9927.C4.o2.gp	Method	AAT/GAP
Start	1618	End	2456
GI	12993_1.R1084	Score	1148
Exons	1618..1670, 1922..2456		
GI Descrip.	'4204265 5.0e-42 (AC005223) 45643 [Arabidopsis thaliana]'		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46669	Strand	+
Start	9659	End	9980
Name	OJ990625_06.9927.C4.o3.gs	Method	GENSCAN
Start	9659	End	9980
GI	none	Score	.99
Exons	9659..9812, 9913..9980		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46670	Strand	+
Start	10685	End	11488
Name	OJ990625_06.9927.C4.o2.np	Method	AAT/NAP
Start	10673	End	11485
GI	6223643	Score	687
Exons	10673..11485		
GI Descrip.	(AC011698) putative short-chain type dehydrogenase/reductase [Arabidopsis thaliana]		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46670	Strand	+
Start	10685	End	11488
Name	OJ990625_06.9927.C4.o4.gs	Method	GENSCAN
Start	10685	End	11488
GI	none	Score	.86
Exons	10685..11488		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46671	Strand	+
Start	14474	End	17552
Name	OJ990625_06.9927.C4.o3.np	Method	AAT/NAP
Start	14373	End	17552
GI	4585982	Score	619
Exons	14373..14590, 15223..15286, 15932..16182, 16285..16323, 17445..17552		
GI Descrip.	(AC005287) Unknown protein [Arabidopsis thaliana]		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46671	Strand	+
Start	14474	End	17552
Name	OJ990625_06.9927.C4.o6.gs	Method	GENSCAN
Start	14474	End	16432
GI	none	Score	.87
Exons	14474..14590, 15223..15286, 15932..16182, 16285..16323, 16412..16432		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46672	Strand	-
Start	3218	End	6066
Name	OJ990625_06.9927.C4.o3.gp	Method	AAT/GAP
Start	3218	End	6007
GI	64_1.R1084	Score	1062
Exons	3218..3298, 3422..3905, 3957..4025, 5987..6007		
GI Descrip.	'4126687/dbj|BAA36695| 0.0e+00 (AB016501) glutelin [Oryza sativa]'		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46672	Strand	-
Start	3218	End	6066
Name	OJ990625_06.9927.C4.o2.gs	Method	GENSCAN
Start	5324	End	6066
GI	none	Score	.49
Exons	5324..5453, 6059..6066		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4

Gene No.	46673	Strand	-
Start	13679	End	14188
Name	OJ990625_06.9927.C4.o5.gs	Method	GENSCAN
Start	13679	End	14188
GI	none	Score	.76
Exons	13679..14188		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o1.tm	Method	TBLASTX:Maize
Start	396	End	2822
GI	none	Score	54
Exons	396..503, 607..750, 608..751, 650..757, 827..898, 831..899, 832..900, 1002..1028, 1002..1028, 1147..1302, 1148..1498, 1149..1520, 1342..1533, 1479..1670, 1498..1671, 1500..1670, 1598..1672, 1920..2279, 1921..2280, 1922..2290, 2279..2515, 2283..2510, 2284..2517, 2284..2520, 2588..2803, 2589..2822		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o1.ts	Method	TBLASTX:Soybean
Start	1518	End	3287
GI	none	Score	77
Exons	1518..1658, 1997..2020, 2014..2091, 2015..2092, 2081..2164, 2101..2148, 2111..2284, 2137..2229, 2262..2489, 2275..2520, 2276..2515, 2326..2523, 2588..2803, 2589..2804, 2662..2817, 3151..3285, 3183..3287		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o1.tc	Method	TBLASTX:Cress
Start	2014	End	3282
GI	none	Score	86
Exons	2014..2088, 2015..2092, 2123..2218, 2161..2217, 2279..2509, 2289..2474, 2294..2515, 2296..2520, 2570..2803, 2588..2803, 2589..2822, 3151..3282, 3165..3281		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o1.tw	Method	TBLASTX:Wheat
Start	2585	End	3301
GI	none	Score	242
Exons	2585..2797, 2588..2800, 2589..2807, 2589..2801, 3151..3231, 3154..3300, 3158..3301, 3165..3284		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o4.tm	Method	TBLASTX:Maize
Start	3151	End	3301
GI	none	Score	209
Exons	3151..3300, 3151..3231, 3152..3301, 3165..3299		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o2.tc	Method	TBLASTX:Cress
Start	10775	End	11412
GI	none	Score	72
Exons	10775..10861, 10904..11404, 10993..11412		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o2.ts	Method	TBLASTX:Soybean
Start	10775	End	11337
GI	none	Score	70
Exons	10775..10864, 10898..11305, 10987..11106, 11075..11131, 11237..11305, 11281..11337		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o2.tm	Method	TBLASTX:Maize
Start	11009	End	11491
GI	none	Score	615
Exons	11009..11491, 11080..11490		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o3.tm	Method	TBLASTX:Maize
Start	13939	End	17561
GI	none	Score	81
Exons	13939..13998, 13940..13990, 13946..14008, 14080..14157, 14089..14160, 14392..14493, 14399..14491, 14482..14589, 14483..14593, 15223..15282, 15223..15285, 15912..16181, 15931..16188, 15931..16185, 16267..16323, 16283..16318, 17436..17561, 17450..17557		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o3.ts	Method	TBLASTX:Soybean
Start	15912	End	17533
GI	none	Score	95
Exons	15912..16025, 15931..16035, 16039..16122, 16089..16169, 16090..16188, 16099..16182, 16267..16323, 16293..16319, 16301..16321, 17436..17531, 17450..17533		

Seq. No.	22413	Seq. ID	OJ990625_06.9927.C4
Gene No.	46674	Strand	-
Start	17695	End	17810
Name	OJ990625_06.9927.C4.o7.gs	Method	GENSCAN
Start	17695	End	17810
GI	none	Score	.49
Exons	17695..17810		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46675	Strand	+

Start	7491	End	11414
Name	OJ990625_06.9927.C5.o1.gp	Method	AAT/GAP
Start	7367	End	8175
GI	uC-osrocyp005g06b1	Score	952
Exons	7367..7751, 8071..8175		
GI Descrip.	'280523/pir||S28282 1.0e-24 hypothetical protein B0464.5 - Caenorhabditis elegans'		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46675	Strand	+
Start	7491	End	11414
Name	OJ990625_06.9927.C5.o2.gs	Method	GENSCAN
Start	7491	End	11110
GI	none	Score	.63
Exons	7491..7751, 8071..8710, 10480..10586, 10667..11110		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46675	Strand	+
Start	7491	End	11414
Name	OJ990625_06.9927.C5.o1.np	Method	AAT/NAP
Start	7569	End	10957
GI	3367568	Score	1132
Exons	7569..7751, 8071..8664, 8764..8988, 10539..10586, 10667..10957		
GI Descrip.	(AL031135) protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46675	Strand	+
Start	7491	End	11414
Name	OJ990625_06.9927.C5.o2.gp	Method	AAT/GAP
Start	8289	End	8650
GI	uC-osf1M202075h07b1	Score	681
Exons	8289..8650		
GI Descrip.	'3367568/emb|CAA20020| 9.0e-15 (AL031135) protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46675	Strand	+
Start	7491	End	11414
Name	OJ990625_06.9927.C5.o4.gp	Method	AAT/GAP
Start	10803	End	11414
GI	17156_1.R1084	Score	1183
Exons	10803..11414		
GI Descrip.	'4507221/ref|NP_003129.1|pSRPK2| 2.0e-13 SFRS protein kinase 2 >gi_1857944 (U88666) serine kinase SRPK2 [Homo sapiens]'		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46676	Strand	+
Start	13096	End	13820
Name	OJ990625_06.9927.C5.o5.gp	Method	AAT/GAP
Start	13045	End	13554
GI	2428175	Score	679
Exons	13045..13167, 13269..13554		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46676	Strand	+
Start	13096	End	13820
Name	OJ990625_06.9927.C5.o4.gs	Method	GENSCAN

Start	13096	End	13820
GI	none	Score	.99
Exons	13096..13167, 13198..13248, 13269..13532, 13641..13820		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46677	Strand	+
Start	28351	End	33686
Name	OJ990625_06.9927.C5.o6.gs	Method	GENSCAN
Start	28351	End	32382
GI	none	Score	.85
Exons	28351..28377, 28977..29136, 29172..29413, 29509..29627, 29764..29842, 30820..30894, 31350..31687, 31917..32040, 32350..32382		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46677	Strand	+
Start	28351	End	33686
Name	OJ990625_06.9927.C5.o8.gp	Method	AAT/GAP
Start	29199	End	30894
GI	54499_1.R1084	Score	869
Exons	29199..29413, 29509..29627, 29764..29842, 30820..30894		
GI Descrip.	'2245131/emb|CAB10552.1| 1.0e-09 (Z97344) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46677	Strand	+
Start	28351	End	33686
Name	OJ990625_06.9927.C5.o5.np	Method	AAT/NAP
Start	29524	End	33686
GI	2245131	Score	376
Exons	29524..29654, 29764..29842, 30820..30912, 31350..31687, 31917..32044, 33628..33686		
GI Descrip.	(Z97344) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46677	Strand	+
Start	28351	End	33686
Name	OJ990625_06.9927.C5.o9.gp	Method	AAT/GAP
Start	32007	End	33174
GI	LIB3431-010-P1-N1-A4	Score	608
Exons	32007..32040, 32875..33174		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46678	Strand	+
Start	34438	End	35932
Name	OJ990625_06.9927.C5.o6.np	Method	AAT/NAP
Start	34420	End	35925
GI	6598436	Score	575
Exons	34420..34698, 34768..35614, 35646..35925		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46678	Strand	+
Start	34438	End	35932
Name	OJ990625_06.9927.C5.o7.gs	Method	GENSCAN

Start	34438	End	35932
GI	none	Score	.53
Exons	34438..34563, 35109..35402, 35453..35932		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46679	Strand	-
Start	619	End	2201
Name	OJ990625_06.9927.C5.o1.gs	Method	GENSCAN
Start	619	End	2201
GI	none	Score	.96
Exons	619..810, 1158..2201		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46680	Strand	-
Start	11846	End	12702
Name	OJ990625_06.9927.C5.o3.gs	Method	GENSCAN
Start	11846	End	12702
GI	none	Score	.87
Exons	11846..12080, 12179..12702		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o15.tm	Method	TBLASTX:Maize
Start	619	End	1217
GI	none	Score	69
Exons	619..672, 620..670, 628..831, 668..820, 1152..1217		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o5.tm	Method	TBLASTX:Maize
Start	1584	End	1973
GI	none	Score	70
Exons	1584..1679, 1624..1674, 1722..1973, 1723..1950		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o10.ts	Method	TBLASTX:Soybean
Start	1752	End	1973
GI	none	Score	116
Exons	1752..1973, 1813..1950		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o1.ts	Method	TBLASTX:Soybean
Start	7614	End	8444
GI	none	Score	225
Exons	7614..7751, 7637..7750, 8074..8442, 8074..8418, 8076..8444		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o10.tm	Method	TBLASTX:Maize
Start	7614	End	8260

GI	none	Score	246
Exons	7614..7751, 7637..7750, 7670..7753, 8070..8246, 8071..8250, 8186..8260		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o8.tc	Method	TBLASTX:Cress
Start	7614	End	8190
GI	none	Score	229
Exons	7614..7751, 7640..7741, 8070..8189, 8071..8190		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o2.tw	Method	TBLASTX:Wheat
Start	8262	End	8463
GI	none	Score	227
Exons	8262..8462, 8263..8463		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o1.tm	Method	TBLASTX:Maize
Start	8271	End	8895
GI	none	Score	544
Exons	8271..8663, 8272..8688, 8272..8691, 8273..8695, 8733..8894, 8751..8894, 8752..8895, 8752..8895		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o6.tc	Method	TBLASTX:Cress
Start	8290	End	8486
GI	none	Score	257
Exons	8290..8478, 8292..8486		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o1.tc	Method	TBLASTX:Cress
Start	8744	End	10720
GI	none	Score	387
Exons	8744..8863, 8760..8945, 8761..8988, 8900..8998, 8900..8989, 10536..10589, 10538..10585, 10666..10716, 10667..10720		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o4.ts	Method	TBLASTX:Soybean
Start	8766	End	8946
GI	none	Score	319
Exons	8766..8945, 8767..8946		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487

Name	OJ990625_06.9927.C5.o2.tm	Method	TBLASTX:Maize
Start	8929	End	11107
GI	none	Score	70
Exons	8929..8967, 8965..8988, 10521..10553, 10522..10584, 10536..10589, 10538..10585, 10666..10917, 10667..10987, 10724..10918, 10907..11080, 10951..11076, 11078..11107		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o2.ts	Method	TBLASTX:Soybean
Start	8947	End	11035
GI	none	Score	77
Exons	8947..8988, 8951..8995, 10536..10589, 10538..10582, 10665..10913, 10666..10902, 10666..10914, 10667..10915, 10936..11034, 10958..11035		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o4.tc	Method	TBLASTX:Cress
Start	11843	End	12570
GI	none	Score	113
Exons	11843..12076, 11868..11975, 12003..12107, 12027..12077, 12214..12357, 12221..12340, 12418..12570		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o1.tw	Method	TBLASTX:Wheat
Start	11846	End	12345
GI	none	Score	172
Exons	11846..12121, 11864..12082, 12214..12345, 12215..12331		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o7.tm	Method	TBLASTX:Maize
Start	11864	End	12573
GI	none	Score	86
Exons	11864..12127, 11868..11975, 11888..12073, 12018..12077, 12220..12357, 12221..12337, 12418..12573		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o8.ts	Method	TBLASTX:Soybean
Start	11864	End	12570
GI	none	Score	116
Exons	11864..12076, 11868..12077, 12214..12357, 12221..12337, 12418..12570		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o9.tc	Method	TBLASTX:Cress
Start	13208	End	13505

GI	none	Score	217
Exons	13208..13504, 13263..13505		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o13.ts	Method	TBLASTX:Soybean
Start	13262	End	13496
GI	none	Score	160
Exons	13262..13423, 13263..13418, 13413..13496		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o6.gp	Method	AAT/GAP
Start	14309	End	15228
GI	18064_1.R1084	Score	976
Exons	14309..14759, 15151..15228		
GI Descrip.	'2245000/emb|CAB10420.1| 1.0e-20 (Z97341) LET1 like protein [Arabidopsis thaliana]'		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o17.ts	Method	TBLASTX:Soybean
Start	14549	End	15270
GI	none	Score	143
Exons	14549..14590, 14607..14768, 14608..14760, 15148..15270, 15149..15265		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o5.gs	Method	GENSCAN
Start	14607	End	26413
GI	none	Score	.77
Exons	14607..14759, 15151..15242, 15340..15466, 15589..15742, 15995..16044, 16130..16280, 16390..16516, 16922..17078, 17282..17435, 18343..18431, 18476..18559, 18579..18693, 20197..20426, 20860..20970, 21063..21215, 21384..21443, 21997..22145, 22237..22306, 22407..22478, 23213..23407, 23985..24155, 24747..24935, 25058..25153, 25416..25646, 25750..25888, 25938..26092, 26195..26413		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o2.np	Method	AAT/NAP
Start	14610	End	23094
GI	2245000	Score	600
Exons	14610..14749, 15138..15219, 15572..15795, 16922..17040, 17282..17435, 17522..17592, 18467..18606, 23044..23094		
GI Descrip.	(Z97341) LET1 like protein [Arabidopsis thaliana]		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487

Name	OJ990625_06.9927.C5.o9.tm	Method	TBLASTX:Maize
Start	15132	End	15799
GI	none	Score	74
Exons	15132..15248, 15148..15270, 15152..15265, 15333..15434, 15335..15490, 15338..15478, 15482..15616, 15566..15604, 15600..15770, 15607..15798, 15608..15799		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o6.ts	Method	TBLASTX:Soybean
Start	15590	End	17566
GI	none	Score	89
Exons	15590..15616, 15610..15741, 16130..16183, 16193..16279, 16202..16279, 16392..16517, 16432..16518, 16914..17111, 16999..17112, 17267..17437, 17273..17437, 17292..17438, 17522..17566, 17524..17562		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o17.tm	Method	TBLASTX:Maize
Start	16152	End	16418
GI	none	Score	102
Exons	16152..16271, 16153..16275, 16154..16282, 16163..16267, 16389..16418		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o7.gp	Method	AAT/GAP
Start	16176	End	18656
GI	18847_1.R1084	Score	1495
Exons	16176..16280, 16390..16516, 16922..17108, 17282..17435, 17522..17604, 18476..18656		
GI Descrip.	'4581520/emb|CAB40177.1| 5.0e-38 (AL049559) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o5.tc	Method	TBLASTX:Cress
Start	16205	End	17112
GI	none	Score	72
Exons	16205..16282, 16205..16282, 16389..16517, 16417..16518, 16902..17111, 16914..17111, 16993..17112		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o13.tm	Method	TBLASTX:Maize
Start	16455	End	17369
GI	none	Score	79
Exons	16455..16517, 16456..16518, 16914..17114, 16915..17109, 16920..17135, 17273..17365, 17274..17369, 17280..17369		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5

Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o3.np	Method	AAT/NAP
Start	19983	End	25132
GI	6598524	Score	2534
Exons	19983..20426, 20860..20970, 21063..21215, 21384..21443, 21530..21838, 21997..22145, 22237..22306, 22407..22610, 23213..23407, 23621..23892, 23991..24155, 24238..24368, 24458..24617, 24747..24935, 25058..25132		
GI Descrip.	(AC006200) putative ATP-dependent RNA helicase A [Arabidopsis thaliana]		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o3.tm	Method	TBLASTX:Maize
Start	20046	End	20405
GI	none	Score	147
Exons	20046..20297, 20051..20218, 20095..20253, 20211..20297, 20283..20405, 20283..20405		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o14.tm	Method	TBLASTX:Maize
Start	20842	End	21129
GI	none	Score	110
Exons	20842..20970, 20862..20978, 21061..21123, 21062..21127, 21062..21124, 21063..21128, 21064..21129		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o15.ts	Method	TBLASTX:Soybean
Start	20857	End	21224
GI	none	Score	76
Exons	20857..20967, 21069..21167, 21070..21168, 21165..21224, 21166..21216		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o4.np	Method	AAT/NAP
Start	20961	End	26487
GI	4510377	Score	1681
Exons	20961..21010, 21081..21215, 21384..21443, 21530..21838, 21997..22145, 22237..22306, 22407..22610, 23213..23407, 23621..23892, 23985..24155, 24238..24368, 24458..24617, 24747..24935, 25058..25146, 25424..25661, 25765..25833, 25928..26105, 26333..26487		
GI Descrip.	(AC007017) putative ATP-dependent RNA helicase A [Arabidopsis thaliana]		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o6.tm	Method	TBLASTX:Maize

Start	21129	End	22488
GI	none	Score	125
Exons	21129..21224, 21130..21213, 21378..21452, 21384..21443, 21385..21444, 21386..21451, 21530..21742, 21531..21722, 21707..21838, 21711..21836, 21718..21837, 21722..21841, 21930..21977, 21994..22149, 21997..22146, 21998..22147, 22235..22306, 22236..22307, 22405..22488, 22405..22488		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o11.tc	Method	TBLASTX:Cress
Start	21548	End	24300
GI	none	Score	81
Exons	21548..21796, 23213..23410, 23220..23411, 23674..23826, 23675..23824, 24111..24155, 24238..24300		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o9.ts	Method	TBLASTX:Soybean
Start	21587	End	21872
GI	none	Score	150
Exons	21587..21841, 21587..21838, 21660..21872		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o5.ts	Method	TBLASTX:Soybean
Start	21985	End	22476
GI	none	Score	114
Exons	21985..22131, 22001..22147, 22001..22144, 22003..22149, 22188..22307, 22235..22306, 22405..22476, 22405..22476		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o3.tw	Method	TBLASTX:Wheat
Start	21994	End	22307
GI	none	Score	79
Exons	21994..22044, 22051..22149, 22055..22147, 22235..22306, 22236..22307		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o3.tc	Method	TBLASTX:Cress
Start	22030	End	22611
GI	none	Score	103
Exons	22030..22149, 22037..22147, 22235..22312, 22236..22307, 22405..22611, 22443..22610		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o12.ts	Method	TBLASTX:Soybean
Start	22477	End	22614

GI	none	Score	149
Exons	22477..22614, 22479..22613		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o16.tm	Method	TBLASTX:Maize
Start	22488	End	23266
GI	none	Score	158
Exons	22488..22613, 22492..22614, 23213..23266		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o14.ts	Method	TBLASTX:Soybean
Start	23276	End	23411
GI	none	Score	144
Exons	23276..23410, 23280..23411		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o7.ts	Method	TBLASTX:Soybean
Start	23607	End	23933
GI	none	Score	67
Exons	23607..23690, 23620..23655, 23621..23689, 23653..23898, 23664..23933, 23675..23851		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o8.tm	Method	TBLASTX:Maize
Start	23698	End	24149
GI	none	Score	154
Exons	23698..23898, 23705..23893, 24012..24149, 24023..24130		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o11.tm	Method	TBLASTX:Maize
Start	24238	End	24962
GI	none	Score	87
Exons	24238..24306, 24239..24370, 24441..24617, 24459..24578, 24460..24618, 24721..24960, 24744..24962		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-
Start	14607	End	26487
Name	OJ990625_06.9927.C5.o2.tc	Method	TBLASTX:Cress
Start	24302	End	24945
GI	none	Score	71
Exons	24302..24370, 24441..24617, 24454..24621, 24455..24520, 24460..24618, 24530..24634, 24557..24649, 24698..24922, 24730..24945, 24744..24935		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46681	Strand	-

Start	14607	End	26487
Name	OJ990625_06.9927.C5.o11.ts	Method	TBLASTX:Soybean
Start	25747	End	26086
GI	none	Score	63
Exons	25747..25821, 25747..25839, 25940..26086, 26016..26078		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46682	Strand	
Start	29517	End	32040
Name	OJ990625_06.9927.C5.o3.ts	Method	TBLASTX:Soybean
Start	29517	End	32040
GI	none	Score	127
Exons	29517..29621, 29527..29622, 29783..29842, 29785..29841, 30802..30873, 31319..31687, 31339..31626, 31356..31688, 31421..31690, 31909..32040, 31919..31984		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46682	Strand	
Start	29517	End	32040
Name	OJ990625_06.9927.C5.o7.tc	Method	TBLASTX:Cress
Start	29523	End	32001
GI	none	Score	103
Exons	29523..29621, 29524..29625, 31382..31675, 31383..31697, 31915..32001		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46682	Strand	
Start	29517	End	32040
Name	OJ990625_06.9927.C5.o4.tm	Method	TBLASTX:Maize
Start	29779	End	32013
GI	none	Score	98
Exons	29779..29832, 29780..29839, 29780..29842, 30810..30890, 30819..30890, 30820..30894, 31009..31029, 31373..31687, 31374..31688, 31909..32013, 31916..32011		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46682	Strand	
Start	29517	End	32040
Name	OJ990625_06.9927.C5.o4.tw	Method	TBLASTX:Wheat
Start	31484	End	31706
GI	none	Score	188
Exons	31484..31705, 31491..31706		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46683	Strand	
Start	35108	End	35396
Name	OJ990625_06.9927.C5.o16.ts	Method	TBLASTX:Soybean
Start	35108	End	35353
GI	none	Score	73
Exons	35108..35158, 35109..35159, 35210..35353, 35211..35351		

Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46683	Strand	
Start	35108	End	35396
Name	OJ990625_06.9927.C5.o12.tm	Method	TBLASTX:Maize
Start	35125	End	35396
GI	none	Score	77

Exons	35125..35154, 35126..35188, 35211..35396, 35213..35395		
Seq. No.	22414	Seq. ID	OJ990625_06.9927.C5
Gene No.	46683	Strand	
Start	35108	End	35396
Name	OJ990625_06.9927.C5.o10.tc	Method	TBLASTX:Cress
Start	35135	End	35396
GI	none	Score	40
Exons	35135..35161, 35136..35159, 35211..35396, 35213..35395		
Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46684	Strand	+
Start	3223	End	7942
Name	OJ990625_06.9927.C6.o2.gp	Method	AAT/GAP
Start	3223	End	3861
GI	43874_1.R1084	Score	972
Exons	3223..3527, 3617..3861		
GI Descrip.	'1203832 9.0e-42 (U46003) beta-D-glucan exohydrolase, isoenzyme ExoII [Hordeum vulgare] >gi_1588407_prf__2208395A beta-D-glucan exohydrolase [Hordeum vulgare]'		
Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46684	Strand	+
Start	3223	End	7942
Name	OJ990625_06.9927.C6.o1.gs	Method	GENSCAN
Start	3286	End	7942
GI	none	Score	.63
Exons	3286..3465, 3491..3527, 3617..3912, 4007..4399, 4465..4957, 4968..5487, 5803..5863, 7594..7803, 7922..7942		
Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46684	Strand	+
Start	3223	End	7942
Name	OJ990625_06.9927.C6.o1.np	Method	AAT/NAP
Start	3304	End	5515
GI	1203832	Score	2078
Exons	3304..3515, 3610..3912, 4007..4399, 4465..4957, 5031..5515		
GI Descrip.	(U46003) beta-D-glucan exohydrolase, isoenzyme ExoII [Hordeum vulgare] gi|1588407|prf||2208395A beta-D-glucan exohydrolase [Hordeum vulgare]		
Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46685	Strand	+
Start	11149	End	11298
Name	OJ990625_06.9927.C6.o2.gs	Method	GENSCAN
Start	11149	End	11298
GI	none	Score	.43
Exons	11149..11298		
Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46686	Strand	+
Start	20632	End	24378
Name	OJ990625_06.9927.C6.o4.gp	Method	AAT/GAP
Start	20632	End	24135
GI	16311_1.R1084	Score	3632
Exons	20632..20853, 21258..21525, 21623..21827, 22038..22128, 22246..22388, 22528..22771, 22878..22982, 23327..23509,		

23597..23801, 23894..24135
GI Descrip. '1203832 0.0e+00 (U46003) beta-D-glucan exohydrolase, isoenzyme ExoII [Hordeum vulgare] >gi_1588407_prf__2208395A beta-D-glucan exohydrolase [Hordeum vulgare]'

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46686	Strand	+
Start	20632	End	24378
Name	OJ990625_06.9927.C6.o2.np	Method	AAT/NAP
Start	21309	End	24372
GI	1203832	Score	2631
Exons	21309..21525, 21623..21827, 22038..22128, 22246..22388, 22528..22771, 22878..22982, 23327..23509, 23597..23801, 23894..24372		
GI Descrip.	(U46003) beta-D-glucan exohydrolase, isoenzyme ExoII [Hordeum vulgare] gi|1588407|prf||2208395A beta-D-glucan exohydrolase [Hordeum vulgare]		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46686	Strand	+
Start	20632	End	24378
Name	OJ990625_06.9927.C6.o4.gs	Method	GENSCAN
Start	21309	End	24378
GI	none	Score	.94
Exons	21309..21525, 21623..21827, 22038..22128, 22246..22388, 22528..22771, 22878..22982, 23327..23509, 23597..23801, 23894..24378		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46687	Strand	+
Start	27252	End	34010
Name	OJ990625_06.9927.C6.o5.gs	Method	GENSCAN
Start	27252	End	34010
GI	none	Score	.59
Exons	27252..27342, 27575..27783, 27840..30218, 30282..31795, 31841..34010		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46687	Strand	+
Start	27252	End	34010
Name	OJ990625_06.9927.C6.o3.np	Method	AAT/NAP
Start	28363	End	34007
GI	6498441	Score	6831
Exons	28363..29424, 29755..30218, 30282..30655, 30839..30973, 31148..31488, 31681..32063, 32235..33632, 33726..34007		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46688	Strand	+
Start	34170	End	34630
Name	OJ990625_06.9927.C6.o6.gp	Method	AAT/GAP
Start	34170	End	34630
GI	2428323	Score	849
Exons	34170..34630		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic		

DNA, chromosome 6, clone:P0535G04

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46689	Strand	-
Start	1822	End	1907
Name	OJ990625_06.9927.C6.o1.gp	Method	AAT/GAP
Start	1822	End	1907
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	1822..1907		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46690	Strand	-
Start	5021	End	5672
Name	OJ990625_06.9927.C6.o3.gp	Method	AAT/GAP
Start	5021	End	5672
GI	45587_1.R1084	Score	1107
Exons	5021..5672		
GI Descrip.	'1203832 3.0e-30 (U46003) beta-D-glucan exohydrolase, isoenzyme ExoII [Hordeum vulgare] >gi_1588407_prf__2208395A beta-D-glucan exohydrolase [Hordeum vulgare]'		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46691	Strand	-
Start	12585	End	19564
Name	OJ990625_06.9927.C6.o3.gs	Method	GENSCAN
Start	12585	End	19564
GI	none	Score	.51
Exons	12585..12762, 12829..12970, 14580..14634, 14878..15165, 15341..15543, 15991..16040, 18747..18869, 19036..19181, 19475..19564		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46692	Strand	-
Start	24140	End	24630
Name	OJ990625_06.9927.C6.o5.gp	Method	AAT/GAP
Start	24140	End	24630
GI	15671_1.R1084	Score	934
Exons	24140..24630		
GI Descrip.	'1203832 5.0e-35 (U46003) beta-D-glucan exohydrolase, isoenzyme ExoII [Hordeum vulgare] >gi_1588407_prf__2208395A beta-D-glucan exohydrolase [Hordeum vulgare]'		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	3366	End	24363
GI	none	Score	115
Exons	3366..3455, 3370..3456, 3606..3914, 3646..3930, 3983..4057, 3998..4084, 4006..4089, 4082..4120, 4096..4119, 4118..4270, 4132..4398, 4133..4399, 4462..4944, 4464..4700, 4558..4863, 4755..4946, 5018..5122, 5026..5100, 5126..5236, 5195..5530, 5286..5504, 5297..5506, 21302..21526, 21303..21527, 21307..21528, 21475..21528, 21621..21827, 21622..21828,		

21687..21827, 21689..21829, 21700..21831, 22024..22131,
22035..22136, 22244..22387, 22245..22388, 22246..22386,
22376..22396, 22525..22770, 22526..22771, 22527..22778,
22875..22985, 22876..22980, 22878..22982, 23325..23510,
23327..23521, 23327..23521, 23594..23788, 23596..23793,
23597..23788, 23602..23793, 23889..23963, 23889..23978,
23890..23979, 23893..24009, 23938..24363, 23970..24359

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o2.ts	Method	TBLASTX:Soybean
Start	3370	End	22359
GI	none	Score	50

Exons 3370..3399, 3385..3456, 3606..3686, 3709..3930, 3717..3914,
3997..4032, 3998..4081, 4084..4179, 4088..4180, 21333..21404,
21390..21527, 21398..21526, 21622..21723, 21715..21828,
21723..21836, 22035..22130, 22035..22136, 22036..22131,
22185..22346, 22245..22346, 22246..22359

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o1.tc	Method	TBLASTX:Cress
Start	3382	End	22648
GI	none	Score	74

Exons 3382..3456, 3450..3503, 3597..3914, 3646..3930, 3998..4084,
4000..4035, 4082..4276, 4090..4275, 21387..21527, 21404..21526,
21622..21828, 21723..21827, 22018..22134, 22035..22136,
22245..22352, 22246..22353, 22525..22647, 22535..22648

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o10.tw	Method	TBLASTX:Wheat
Start	3799	End	22305
GI	none	Score	126

Exons 3799..3909, 4004..4081, 4004..4081, 22035..22112, 22035..22118,
22036..22125, 22243..22305, 22245..22295

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o7.tw	Method	TBLASTX:Wheat
Start	4088	End	22791
GI	none	Score	63

Exons 4088..4153, 4096..4152, 4162..4416, 4163..4402, 22306..22359,
22366..22389, 22514..22774, 22525..22791

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o2.tc	Method	TBLASTX:Cress
Start	4280	End	23470
GI	none	Score	147

Exons 4280..4399, 4282..4398, 4455..4703, 4462..4716, 22649..22771,
22651..22770, 22875..22985, 22876..22980, 22877..22987,

23327..23470

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o1.ts	Method	TBLASTX:Soybean
Start	4340	End	24377
GI	none	Score	81
Exons	4340..4399, 4340..4399, 4455..4961, 4462..4959, 5020..5100, 5027..5152, 5132..5233, 5179..5223, 5195..5299, 5297..5356, 5299..5355, 5339..5485, 5350..5502, 5351..5503, 22712..22771, 22715..22771, 22875..22985, 22877..22987, 23325..23420, 23327..23521, 23327..23521, 23410..23529, 23596..23805, 23597..23803, 23613..23813, 23618..23842, 23890..24213, 23892..24212, 24207..24377, 24208..24360		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o2.tw	Method	TBLASTX:Wheat
Start	4501	End	23791
GI	none	Score	518
Exons	4501..4947, 4554..4703, 4561..4863, 4755..4943, 22914..22985, 22921..22980, 23304..23507, 23327..23509, 23327..23509, 23410..23520, 23596..23787, 23597..23791		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o3.tc	Method	TBLASTX:Cress
Start	4767	End	24090
GI	none	Score	66
Exons	4767..4811, 4768..4812, 4786..4959, 4827..4961, 5029..5100, 5030..5137, 5126..5233, 5179..5220, 23579..23665, 23611..23658, 23639..23803, 23671..23805, 23892..24077, 23893..24090		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o4.tc	Method	TBLASTX:Cress
Start	5314	End	24423
GI	none	Score	301
Exons	5314..5502, 5321..5509, 24142..24423, 24148..24309, 24171..24374		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o8.tw	Method	TBLASTX:Wheat
Start	28512	End	28904
GI	none	Score	58
Exons	28512..28559, 28566..28664, 28571..28672, 28631..28870, 28647..28904		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o5.tm	Method	TBLASTX:Maize

Start	28517	End	28802
GI	none	Score	195
Exons	28517..28801, 28554..28802		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o4.tw	Method	TBLASTX:Wheat
Start	29639	End	30125
GI	none	Score	408
Exons	29639..29812, 29640..30125, 29834..30094, 29904..30098		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o1.tw	Method	TBLASTX:Wheat
Start	30290	End	30752
GI	none	Score	579
Exons	30290..30745, 30291..30752, 30291..30746		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o4.ts	Method	TBLASTX:Soybean
Start	30330	End	30695
GI	none	Score	117
Exons	30330..30554, 30561..30695		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o2.tm	Method	TBLASTX:Maize
Start	30420	End	30776
GI	none	Score	392
Exons	30420..30776, 30455..30766, 30459..30776		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o4.tm	Method	TBLASTX:Maize
Start	30803	End	31187
GI	none	Score	356
Exons	30803..31168, 30804..31187		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o3.tw	Method	TBLASTX:Wheat
Start	30860	End	31280
GI	none	Score	483
Exons	30860..31273, 30861..31280		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o3.ts	Method	TBLASTX:Soybean
Start	30939	End	31310

GI	none	Score	277
Exons	30939..31310, 30956..31099		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o6.tw	Method	TBLASTX:Wheat
Start	31935	End	32369
GI	none	Score	236
Exons	31935..32186, 31935..32132, 32000..32176, 32220..32369, 32229..32366, 32231..32368		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o11.tw	Method	TBLASTX:Wheat
Start	32424	End	32684
GI	none	Score	186
Exons	32424..32684		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o3.tm	Method	TBLASTX:Maize
Start	32877	End	33200
GI	none	Score	364
Exons	32877..33200, 32906..33187		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o5.tw	Method	TBLASTX:Wheat
Start	33014	End	33395
GI	none	Score	375
Exons	33014..33070, 33015..33395, 33111..33356, 33116..33364		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o9.tw	Method	TBLASTX:Wheat
Start	33396	End	33998
GI	none	Score	261
Exons	33396..33692, 33400..33471, 33401..33499, 33536..33679, 33872..33994, 33873..33998		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o6.gs	Method	GENSCAN
Start	34638	End	36770
GI	none	Score	.69
Exons	34638..35593, 35599..36004, 36076..36538, 36630..36770		

Seq. No.	22415	Seq. ID	OJ990625_06.9927.C6
Gene No.	46693	Strand	-
Start	34638	End	36863
Name	OJ990625_06.9927.C6.o4.np	Method	AAT/NAP

Start	34641	End	36863
GI	5803259	Score	3288
Exons	34641..36538, 36630..36863		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	22416	Seq. ID	OJ990625_06.9927.C7
Gene No.	46694	Strand	-
Start	1	End	928
Name	OJ990625_06.9927.C7.o1.np	Method	AAT/NAP
Start	1	End	928
GI	5803259	Score	1573
Exons	1..928		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	22416	Seq. ID	OJ990625_06.9927.C7
Gene No.	46694	Strand	-
Start	1	End	928
Name	OJ990625_06.9927.C7.o1.gs	Method	GENSCAN
Start	26	End	928
GI	none	Score	.77
Exons	26..928		

Seq. No.	22416	Seq. ID	OJ990625_06.9927.C7
Gene No.	46695	Strand	-
Start	1309	End	1424
Name	OJ990625_06.9927.C7.o2.gs	Method	GENSCAN
Start	1309	End	1424
GI	none	Score	.7
Exons	1309..1424		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46696	Strand	+
Start	1	End	7330
Name	OJ990625_06.9927.C8.o3.np	Method	AAT/NAP
Start	1	End	7330
GI	5042454	Score	162
Exons	1..31, 3552..3716, 6753..6917, 7270..7330		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46696	Strand	+
Start	1	End	7330
Name	OJ990625_06.9927.C8.o1.gs	Method	GENSCAN
Start	70	End	976
GI	none	Score	.56
Exons	70..242, 749..976		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46696	Strand	+
Start	1	End	7330
Name	OJ990625_06.9927.C8.o2.gs	Method	GENSCAN
Start	4107	End	4343
GI	none	Score	.45
Exons	4107..4343		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46697	Strand	-

Start	1	End	275
Name	OJ990625_06.9927.C8.o1.np	Method	AAT/NAP
Start	1	End	275
GI	5922623	Score	87
Exons	1..71, 188..275		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46698	Strand	-
Start	3180	End	3297
Name	OJ990625_06.9927.C8.o2.np	Method	AAT/NAP
Start	3180	End	3297
GI	5852093	Score	61
Exons	3180..3297		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46699	Strand	-
Start	4506	End	5076
Name	OJ990625_06.9927.C8.o1.gp	Method	AAT/GAP
Start	4506	End	5076
GI	none	Score	1092
Exons	4506..5076		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46700	Strand	-
Start	6871	End	10316
Name	OJ990625_06.9927.C8.o3.gs	Method	GENSCAN
Start	6871	End	10316
GI	none	Score	.55
Exons	6871..7012, 7188..7398, 7400..7504, 8788..8934, 9690..9826, 10273..10316		

Seq. No.	22417	Seq. ID	OJ990625_06.9927.C8
Gene No.	46700	Strand	-
Start	6871	End	10316
Name	OJ990625_06.9927.C8.o2.gp	Method	AAT/GAP
Start	9702	End	10267
GI	8022_1.R1084	Score	323
Exons	9702..9724, 10013..10267		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	22418	Seq. ID	OJ990625_06.9927.C9
Gene No.	46701	Strand	+
Start	525	End	775
Name	OJ990625_06.9927.C9.o1.gs	Method	GENSCAN
Start	525	End	775
GI	none	Score	.46
Exons	525..570, 666..775		

Seq. No.	22419	Seq. ID	OJ990625_06.9927.C10
Gene No.	46702	Strand	+
Start	38	End	122
Name	OJ990625_06.9927.C10.o1.gs	Method	GENSCAN

Start	38	End	122
GI	none	Score	.97
Exons	38..122		

Seq. No.	22420	Seq. ID	OJ990625_06.9927.C12
Gene No.	46703	Strand	-
Start	43	End	570
Name	OJ990625_06.9927.C12.o1.gs	Method	GENSCAN
Start	43	End	570
GI	none	Score	.48
Exons	43..570		

Seq. No.	22420	Seq. ID	OJ990625_06.9927.C12
Gene No.	46703	Strand	-
Start	43	End	570
Name	OJ990625_06.9927.C12.o1.tm	Method	TBLASTX:Maize
Start	331	End	570
GI	none	Score	70
Exons	331..426, 371..421, 469..570, 470..568		

Seq. No.	22421	Seq. ID	OJ990625_06.9927.C13
Gene No.	46704	Strand	+
Start	102	End	202
Name	OJ990625_06.9927.C13.o1.gs	Method	GENSCAN
Start	102	End	202
GI	none	Score	1
Exons	102..202		

Seq. No.	22422	Seq. ID	OJ990625_06.9927.C14
Gene No.	46705	Strand	+
Start	199	End	281
Name	OJ990625_06.9927.C14.o1.gs	Method	GENSCAN
Start	199	End	281
GI	none	Score	.99
Exons	199..281		

Seq. No.	22423	Seq. ID	OJ990625_06.9927.C15
Gene No.	46706	Strand	-
Start	581	End	667
Name	OJ990625_06.9927.C15.o1.gp	Method	AAT/GAP
Start	581	End	667
GI	54499_1.R1084	Score	104
Exons	581..667		
GI Descrip.	'2245131/emb|CAB10552.1| 1.0e-09 (Z97344) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22423	Seq. ID	OJ990625_06.9927.C15
Gene No.	46707	Strand	-
Start	591	End	665
Name	OJ990625_06.9927.C15.o1.gs	Method	GENSCAN
Start	591	End	665
GI	none	Score	.67
Exons	591..665		

Seq. No.	22424	Seq. ID	OJ990625_06.9927.C18
Gene No.	46708	Strand	+
Start	355	End	457

Name	OJ990625_06.9927.C18.o1.gs	Method	GENSCAN
Start	355	End	457
GI	none	Score	.64
Exons	355..457		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46709	Strand	+
Start	825	End	1560
Name	OJ990625_06.9927.C19.o1.gs	Method	GENSCAN
Start	825	End	1560
GI	none	Score	.66
Exons	825..1223, 1315..1560		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46710	Strand	+
Start	3018	End	3927
Name	OJ990625_06.9927.C19.o1.np	Method	AAT/NAP
Start	3018	End	3915
GI	82045	Score	527
Exons	3018..3654, 3754..3915		
GI Descrip.	embryonic protein ecp31 - carrot gi|18337|emb|CAA43046| (X60593) embryonic cell protein [Daucus carota]		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46710	Strand	+
Start	3018	End	3927
Name	OJ990625_06.9927.C19.o3.gs	Method	GENSCAN
Start	3018	End	3927
GI	none	Score	.99
Exons	3018..3479, 3754..3927		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46711	Strand	-
Start	1753	End	1917
Name	OJ990625_06.9927.C19.o2.gs	Method	GENSCAN
Start	1753	End	1917
GI	none	Score	.57
Exons	1753..1917		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o1.ts	Method	TBLASTX:Soybean
Start	996	End	3906
GI	none	Score	83
Exons	996..1106, 3018..3044, 3045..3296, 3068..3250, 3294..3362, 3482..3565, 3754..3903, 3781..3906, 3810..3899		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o1.tc	Method	TBLASTX:Cress
Start	999	End	3903
GI	none	Score	81
Exons	999..1106, 3068..3193, 3069..3299, 3294..3410, 3317..3361, 3482..3565, 3571..3651, 3751..3903, 3819..3899		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o2.np	Method	AAT/NAP
Start	3691	End	8197
GI	2245101	Score	361
Exons	3691..3733, 5355..5514, 5886..5988, 6133..6219, 6991..7169, 7757..7796, 7898..7957, 8150..8197		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o2.tm	Method	TBLASTX:Maize
Start	3757	End	3914
GI	none	Score	221
Exons	3757..3912, 3810..3914		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o1.gp	Method	AAT/GAP
Start	4585	End	8319
GI	1086_1.R1084	Score	2461
Exons	4585..5092, 5182..5273, 5367..5491, 5952..6012, 6133..6219, 6295..6333, 6991..7169, 7757..7796, 7898..7957, 8150..8319		
GI Descrip.	'2245101/emb|CAB10523.1| 2.0e-40 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o2.tc	Method	TBLASTX:Cress
Start	4975	End	5492
GI	none	Score	93
Exons	4975..5094, 4982..5098, 5152..5274, 5181..5273, 5400..5492		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o2.ts	Method	TBLASTX:Soybean
Start	4975	End	6204
GI	none	Score	100
Exons	4975..5094, 4979..5098, 5152..5274, 5181..5273, 5953..6006, 6133..6204		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o4.gs	Method	GENSCAN
Start	4975	End	8197
GI	none	Score	.75
Exons	4975..5095, 5182..5273, 5367..5491, 5952..6012, 6133..6219, 6295..6333, 7104..7169, 7898..7957, 8150..8197		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-

Start	3691	End	8319
Name	OJ990625_06.9927.C19.o1.tm	Method	TBLASTX:Maize
Start	5193	End	8273
GI	none	Score	118
Exons	5193..5273, 5194..5274, 5379..5516, 5388..5492, 5948..6010, 5952..6014, 5953..6015, 5954..6010, 6129..6221, 6130..6222, 6134..6220, 6134..6226, 6276..6329, 6290..6328, 6294..6341, 6295..6342, 6982..7170, 6991..7170, 6992..7171, 7755..7802, 7755..7796, 7895..7963, 7896..7961, 7896..7964, 8150..8200, 8151..8201, 8208..8273		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o3.ts	Method	TBLASTX:Soybean
Start	6951	End	8216
GI	none	Score	138
Exons	6951..7169, 6958..7170, 6992..7171, 7755..7796, 7895..7963, 8150..8203, 8154..8216		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o1.tw	Method	TBLASTX:Wheat
Start	6982	End	8258
GI	none	Score	272
Exons	6982..7170, 6992..7171, 7753..7797, 7755..7802, 7755..7796, 7895..7963, 7896..7961, 7897..7962, 8150..8257, 8151..8258		

Seq. No.	22425	Seq. ID	OJ990625_06.9927.C19
Gene No.	46712	Strand	-
Start	3691	End	8319
Name	OJ990625_06.9927.C19.o3.tc	Method	TBLASTX:Cress
Start	6997	End	8200
GI	none	Score	163
Exons	6997..7170, 6998..7171, 7755..7796, 7895..7963, 8150..8200		

Seq. No.	22426	Seq. ID	OJ990625_06.9927.C21
Gene No.	46713	Strand	+
Start	1	End	473
Name	OJ990625_06.9927.C21.o1.gp	Method	AAT/GAP
Start	1	End	247
GI	uC-osf1M202047f08b1	Score	256
Exons	1..23, 129..247		
GI Descrip.	'5777952/gb|AAD51446.1|AF128406_1 9.0e-20 (AF128406) prenyl-dependent prelamin A binding protein Narf [Homo sapiens]'		

Seq. No.	22426	Seq. ID	OJ990625_06.9927.C21
Gene No.	46713	Strand	+
Start	1	End	473
Name	OJ990625_06.9927.C21.o1.np	Method	AAT/NAP
Start	1	End	473
GI	6912524	Score	136
Exons	1..29, 135..255, 353..473		
GI Descrip.	nuclear prelamin A recognition factor gi|5777952|gb|AAD51446.1|AF128406_1 (AF128406) nuclear prelamin A recognition factor [Homo sapiens]		

Seq. No.	22426	Seq. ID	OJ990625_06.9927.C21
Gene No.	46713	Strand	+
Start	1	End	473
Name	OJ990625_06.9927.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	463
GI	none	Score	44
Exons	1..24, 105..260, 117..257, 161..262, 325..447, 330..443, 347..463		

Seq. No.	22426	Seq. ID	OJ990625_06.9927.C21
Gene No.	46713	Strand	+
Start	1	End	473
Name	OJ990625_06.9927.C21.o1.gs	Method	GENSCAN
Start	129	End	444
GI	none	Score	.76
Exons	129..255, 353..444		

Seq. No.	22427	Seq. ID	OJ990615_06.9926.C1
Gene No.	46714	Strand	-
Start	1	End	1926
Name	OJ990615_06.9926.C1.o1.np	Method	AAT/NAP
Start	1	End	1926
GI	3021270	Score	137
Exons	1..223, 1533..1641, 1901..1926		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	22427	Seq. ID	OJ990615_06.9926.C1
Gene No.	46714	Strand	-
Start	1	End	1926
Name	OJ990615_06.9926.C1.o1.gs	Method	GENSCAN
Start	1134	End	1803
GI	none	Score	.41
Exons	1134..1226, 1533..1645, 1785..1803		

Seq. No.	22428	Seq. ID	OJ990615_06.9926.C3
Gene No.	46715	Strand	+
Start	1	End	956
Name	OJ990615_06.9926.C3.o1.np	Method	AAT/NAP
Start	1	End	956
GI	6498441	Score	991
Exons	1..956		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22428	Seq. ID	OJ990615_06.9926.C3
Gene No.	46715	Strand	+
Start	1	End	956
Name	OJ990615_06.9926.C3.o2.tw	Method	TBLASTX:Wheat
Start	40	End	360
GI	none	Score	222
Exons	40..273, 40..252, 87..272, 307..360		

Seq. No.	22428	Seq. ID	OJ990615_06.9926.C3
Gene No.	46715	Strand	+

Start	1	End	956
Name	OJ990615_06.9926.C3.o1.tm	Method	TBLASTX:Maize
Start	604	End	947
GI	none	Score	372
Exons	604..927, 633..914, 831..947		

Seq. No.	22428	Seq. ID	OJ990615_06.9926.C3
Gene No.	46715	Strand	+
Start	1	End	956
Name	OJ990615_06.9926.C3.o1.tw	Method	TBLASTX:Wheat
Start	607	End	954
GI	none	Score	323
Exons	607..954, 630..920		

Seq. No.	22429	Seq. ID	OJ990615_06.9926.C4
Gene No.	46716	Strand	+
Start	1	End	80
Name	OJ990615_06.9926.C4.o1.np	Method	AAT/NAP
Start	1	End	80
GI	6498441	Score	124
Exons	1..80		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22429	Seq. ID	OJ990615_06.9926.C4
Gene No.	46717	Strand	+
Start	18	End	478
Name	OJ990615_06.9926.C4.o1.gs	Method	GENSCAN
Start	18	End	478
GI	none	Score	.6
Exons	18..82, 274..478		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o1.np	Method	AAT/NAP
Start	232	End	3664
GI	4680179	Score	3924
Exons	232..3664		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o1.gs	Method	GENSCAN
Start	261	End	3304
GI	none	Score	.76
Exons	261..494, 504..1709, 1733..2172, 2398..3304		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o5.tw	Method	TBLASTX:Wheat
Start	276	End	609
GI	none	Score	155
Exons	276..608, 297..569, 499..609		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o7.tm	Method	TBLASTX:Maize
Start	291	End	449
GI	none	Score	183
Exons	291..449		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o1.tm	Method	TBLASTX:Maize
Start	459	End	1056
GI	none	Score	49
Exons	459..554, 459..896, 469..894, 903..1055, 904..1056	627..896, 894..1052, 901..1047,	

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o1.tw	Method	TBLASTX:Wheat
Start	609	End	1235
GI	none	Score	325
Exons	609..1235, 610..1179		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o3.tm	Method	TBLASTX:Maize
Start	1104	End	1394
GI	none	Score	121
Exons	1104..1394, 1107..1322, 1108..1383		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o2.ts	Method	TBLASTX:Soybean
Start	1194	End	1449
GI	none	Score	71
Exons	1194..1322, 1194..1442, 1195..1449		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o1.tc	Method	TBLASTX:Cress
Start	1218	End	1535
GI	none	Score	98
Exons	1218..1361, 1234..1359, 1362..1514, 1362..1535		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o3.tw	Method	TBLASTX:Wheat
Start	1242	End	1768
GI	none	Score	241
Exons	1242..1550, 1246..1539, 1574..1768		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o2.tm	Method	TBLASTX:Maize
Start	1811	End	2164
GI	none	Score	69
Exons	1811..2164, 1816..2142, 1863..2162		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o2.tw	Method	TBLASTX:Wheat
Start	1811	End	2230
GI	none	Score	120
Exons	1811..2230, 1813..2175, 1826..2179, 1848..2207		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o3.ts	Method	TBLASTX:Soybean
Start	1985	End	2212
GI	none	Score	203
Exons	1985..2212		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o5.tm	Method	TBLASTX:Maize
Start	2171	End	2515
GI	none	Score	73
Exons	2171..2203, 2209..2271, 2252..2515, 2313..2483		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o6.tw	Method	TBLASTX:Wheat
Start	2233	End	2536
GI	none	Score	176
Exons	2233..2271, 2261..2536, 2277..2492		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o1.ts	Method	TBLASTX:Soybean
Start	2261	End	2644
GI	none	Score	146
Exons	2261..2608, 2277..2492, 2532..2627, 2612..2644, 2612..2644		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o4.tm	Method	TBLASTX:Maize
Start	2531	End	2998
GI	none	Score	133
Exons	2531..2998, 2568..2927		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o2.tc	Method	TBLASTX:Cress
Start	2549	End	2939
GI	none	Score	61
Exons	2549..2938, 2763..2939		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o4.tw	Method	TBLASTX:Wheat
Start	2585	End	3068
GI	none	Score	198
Exons	2585..3067, 2594..3040, 2613..3068		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o6.tm	Method	TBLASTX:Maize
Start	2999	End	3196
GI	none	Score	148
Exons	2999..3196, 3000..3146		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o7.tw	Method	TBLASTX:Wheat
Start	3209	End	3596
GI	none	Score	80
Exons	3209..3361, 3264..3383, 3392..3583, 3459..3596		

Seq. No.	22430	Seq. ID	OJ990615_06.9926.C6
Gene No.	46718	Strand	-
Start	232	End	3664
Name	OJ990615_06.9926.C6.o8.tm	Method	TBLASTX:Maize
Start	3296	End	3596
GI	none	Score	58
Exons	3296..3571, 3507..3596		

Seq. No.	22431	Seq. ID	OJ990615_06.9926.C7
Gene No.	46719	Strand	-
Start	1	End	855
Name	OJ990615_06.9926.C7.o1.np	Method	AAT/NAP
Start	1	End	855
GI	5257279	Score	366
Exons	1..635, 794..855		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	22431	Seq. ID	OJ990615_06.9926.C7
Gene No.	46719	Strand	-
Start	1	End	855
Name	OJ990615_06.9926.C7.o1.tw	Method	TBLASTX:Wheat
Start	27	End	431
GI	none	Score	80
Exons	27..179, 82..201, 210..431, 277..390, 378..431		

Seq. No.	22431	Seq. ID	OJ990615_06.9926.C7
Gene No.	46719	Strand	-
Start	1	End	855
Name	OJ990615_06.9926.C7.o1.tm	Method	TBLASTX:Maize
Start	114	End	452
GI	none	Score	56
Exons	114..452, 325..384		

Seq. No.	22431	Seq. ID	OJ990615_06.9926.C7
Gene No.	46719	Strand	-
Start	1	End	855
Name	OJ990615_06.9926.C7.o1.gs	Method	GENSCAN
Start	380	End	785
GI	none	Score	.98
Exons	380..785		

Seq. No.	22432	Seq. ID	OJ990615_06.9926.C11
Gene No.	46720	Strand	+
Start	442	End	508
Name	OJ990615_06.9926.C11.o1.gs	Method	GENSCAN
Start	442	End	508
GI	none	Score	.43
Exons	442..508		

Seq. No.	22433	Seq. ID	OJ990615_06.9926.C12
Gene No.	46721	Strand	-
Start	119	End	585
Name	OJ990615_06.9926.C12.o1.gs	Method	GENSCAN
Start	119	End	533
GI	none	Score	.59
Exons	119..533		

Seq. No.	22433	Seq. ID	OJ990615_06.9926.C12
Gene No.	46721	Strand	-
Start	119	End	585
Name	OJ990615_06.9926.C12.o1.np	Method	AAT/NAP
Start	222	End	585
GI	6498441	Score	576
Exons	222..585		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22434	Seq. ID	OJ990615_06.9926.C13
Gene No.	46722	Strand	-
Start	1	End	623
Name	OJ990615_06.9926.C13.o1.np	Method	AAT/NAP
Start	1	End	623
GI	6498441	Score	976
Exons	1..623		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22434	Seq. ID	OJ990615_06.9926.C13
Gene No.	46722	Strand	-

Start	1	End	623
Name	OJ990615_06.9926.C13.o1.gs	Method	GENSCAN
Start	64	End	623
GI	none	Score	.74
Exons	64..176, 285..421, 439..623		

Seq. No.	22434	Seq. ID	OJ990615_06.9926.C13
Gene No.	46722	Strand	-
Start	1	End	623
Name	OJ990615_06.9926.C13.o1.tw	Method	TBLASTX:Wheat
Start	82	End	471
GI	none	Score	97
Exons	82..339, 125..355, 322..420, 323..403, 427..471		

Seq. No.	22434	Seq. ID	OJ990615_06.9926.C13
Gene No.	46722	Strand	-
Start	1	End	623
Name	OJ990615_06.9926.C13.o1.tm	Method	TBLASTX:Maize
Start	184	End	432
GI	none	Score	108
Exons	184..432, 185..430		

Seq. No.	22435	Seq. ID	OJ990615_06.9926.C14
Gene No.	46723	Strand	+
Start	267	End	338
Name	OJ990615_06.9926.C14.o1.gs	Method	GENSCAN
Start	267	End	338
GI	none	Score	.44
Exons	267..338		

Seq. No.	22435	Seq. ID	OJ990615_06.9926.C14
Gene No.	46724	Strand	-
Start	1	End	593
Name	OJ990615_06.9926.C14.o1.np	Method	AAT/NAP
Start	1	End	593
GI	4680186	Score	173
Exons	1..394, 567..593		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22436	Seq. ID	OJ990615_06.9926.C15
Gene No.	46725	Strand	+
Start	154	End	601
Name	OJ990615_06.9926.C15.o1.gs	Method	GENSCAN
Start	154	End	601
GI	none	Score	.74
Exons	154..291, 432..519, 586..601		

Seq. No.	22436	Seq. ID	OJ990615_06.9926.C15
Gene No.	46726	Strand	-
Start	1	End	682
Name	OJ990615_06.9926.C15.o1.np	Method	AAT/NAP
Start	1	End	682
GI	1196998	Score	1193
Exons	1..682		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase		

[Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]

Seq. No.	22437	Seq. ID	OJ990615_06.9926.C16
Gene No.	46727	Strand	-
Start	247	End	1497
Name	OJ990615_06.9926.C16.o1.gs	Method	GENSCAN
Start	247	End	1296
GI	none	Score	.97
Exons	247..1296		

Seq. No.	22437	Seq. ID	OJ990615_06.9926.C16
Gene No.	46727	Strand	-
Start	247	End	1497
Name	OJ990615_06.9926.C16.o1.np	Method	AAT/NAP
Start	247	End	1497
GI	5702018	Score	1005
Exons	247..465, 493..1497		
GI Descrip.	(AJ245478) alpha galactosyltransferase [Trigonella foenum-graecum]		

Seq. No.	22437	Seq. ID	OJ990615_06.9926.C16
Gene No.	46727	Strand	-
Start	247	End	1497
Name	OJ990615_06.9926.C16.o1.ts	Method	TBLASTX:Soybean
Start	259	End	1114
GI	none	Score	79
Exons	259..450, 260..451, 637..1113, 647..1114		

Seq. No.	22437	Seq. ID	OJ990615_06.9926.C16
Gene No.	46727	Strand	-
Start	247	End	1497
Name	OJ990615_06.9926.C16.o2.tc	Method	TBLASTX:Cress
Start	259	End	457
GI	none	Score	94
Exons	259..285, 301..450, 317..457		

Seq. No.	22437	Seq. ID	OJ990615_06.9926.C16
Gene No.	46727	Strand	-
Start	247	End	1497
Name	OJ990615_06.9926.C16.o1.tm	Method	TBLASTX:Maize
Start	280	End	1168
GI	none	Score	54
Exons	280..393, 296..361, 412..450, 413..457, 616..981, 647..907, 817..954, 958..1167, 974..1084, 1130..1168		

Seq. No.	22437	Seq. ID	OJ990615_06.9926.C16
Gene No.	46727	Strand	-
Start	247	End	1497
Name	OJ990615_06.9926.C16.o1.gp	Method	AAT/GAP
Start	641	End	843
GI	1632391	Score	297
Exons	641..843		

Seq. No.	22437	Seq. ID	OJ990615_06.9926.C16

Gene No.	46727	Strand	-
Start	247	End	1497
Name	OJ990615_06.9926.C16.o1.tc	Method	TBLASTX:Cress
Start	727	End	1209
GI	none	Score	80
Exons	727..1209, 734..907, 820..912, 935..1195		

Seq. No.	22438	Seq. ID	OJ990615_06.9926.C17
Gene No.	46728	Strand	-
Start	1	End	927
Name	OJ990615_06.9926.C17.o1.np	Method	AAT/NAP
Start	1	End	759
GI	4680179	Score	423
Exons	1..759		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22438	Seq. ID	OJ990615_06.9926.C17
Gene No.	46728	Strand	-
Start	1	End	927
Name	OJ990615_06.9926.C17.o1.tm	Method	TBLASTX:Maize
Start	34	End	279
GI	none	Score	194
Exons	34..279		

Seq. No.	22438	Seq. ID	OJ990615_06.9926.C17
Gene No.	46728	Strand	-
Start	1	End	927
Name	OJ990615_06.9926.C17.o1.gs	Method	GENSCAN
Start	158	End	927
GI	none	Score	.64
Exons	158..927		

Seq. No.	22438	Seq. ID	OJ990615_06.9926.C17
Gene No.	46728	Strand	-
Start	1	End	927
Name	OJ990615_06.9926.C17.o1.tw	Method	TBLASTX:Wheat
Start	160	End	537
GI	none	Score	262
Exons	160..537		

Seq. No.	22439	Seq. ID	OJ990615_06.9926.C18
Gene No.	46729	Strand	-
Start	1	End	529
Name	OJ990615_06.9926.C18.o1.np	Method	AAT/NAP
Start	1	End	529
GI	6002794	Score	810
Exons	1..529		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	22439	Seq. ID	OJ990615_06.9926.C18
Gene No.	46730	Strand	-
Start	833	End	1330
Name	OJ990615_06.9926.C18.o1.gp	Method	AAT/GAP
Start	833	End	1330
GI	38782_1.R1084	Score	807
Exons	833..1330		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic		

DNA, chromosome 6, clone:P0514G12'

Seq. No.	22439	Seq. ID	OJ990615_06.9926.C18
Gene No.	46730	Strand	-
Start	833	End	1330
Name	OJ990615_06.9926.C18.o2.gs	Method	GENSCAN
Start	1119	End	1192
GI	none	Score	.97
Exons	1119..1192		

Seq. No.	22440	Seq. ID	OJ990615_06.9926.C19
Gene No.	46731	Strand	-
Start	501	End	616
Name	OJ990615_06.9926.C19.o1.gs	Method	GENSCAN
Start	501	End	616
GI	none	Score	.59
Exons	501..616		

Seq. No.	22441	Seq. ID	OJ990615_06.9926.C20
Gene No.	46732	Strand	+
Start	50	End	153
Name	OJ990615_06.9926.C20.o1.gs	Method	GENSCAN
Start	50	End	153
GI	none	Score	.84
Exons	50..153		

Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46733	Strand	+
Start	1	End	1457
Name	OJ990615_06.9926.C21.o1.np	Method	AAT/NAP
Start	1	End	600
GI	5042454	Score	166
Exons	1..185, 540..600		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46733	Strand	+
Start	1	End	1457
Name	OJ990615_06.9926.C21.o1.gs	Method	GENSCAN
Start	149	End	1457
GI	none	Score	.6
Exons	149..191, 1176..1457		

Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46734	Strand	-
Start	2256	End	3632
Name	OJ990615_06.9926.C21.o2.gs	Method	GENSCAN
Start	2256	End	3629
GI	none	Score	.46
Exons	2256..2327, 2988..3629		

Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46734	Strand	-
Start	2256	End	3632
Name	OJ990615_06.9926.C21.o2.np	Method	AAT/NAP
Start	2981	End	3632
GI	2558660	Score	316

Exons	2981..3632		
GI Descrip.	(AC002354) unknown protein [Arabidopsis thaliana]		
Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46735	Strand	-
Start	4269	End	6185
Name	OJ990615_06.9926.C21.o1.tm	Method	TBLASTX:Maize
Start	2925	End	3212
GI	none	Score	48
Exons	2925..3020, 2983..3024, 3009..3212, 3022..3204, 3024..3212		
Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46735	Strand	-
Start	4269	End	6185
Name	OJ990615_06.9926.C21.o1.ts	Method	TBLASTX:Soybean
Start	2925	End	3527
GI	none	Score	173
Exons	2925..3263, 2989..3237, 3270..3527		
Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46735	Strand	-
Start	4269	End	6185
Name	OJ990615_06.9926.C21.o3.gs	Method	GENSCAN
Start	4269	End	5896
GI	none	Score	.51
Exons	4269..4327, 5542..5896		
Seq. No.	22442	Seq. ID	OJ990615_06.9926.C21
Gene No.	46735	Strand	-
Start	4269	End	6185
Name	OJ990615_06.9926.C21.o3.np	Method	AAT/NAP
Start	4892	End	6185
GI	6907086	Score	725
Exons	4892..5243, 5358..5413, 5630..5854, 5912..6185		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	22443	Seq. ID	OJ990615_06.9926.C22
Gene No.	46736	Strand	-
Start	1	End	1218
Name	OJ990615_06.9926.C22.o1.np	Method	AAT/NAP
Start	1	End	1218
GI	6907086	Score	1130
Exons	1..383, 441..1218		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	22443	Seq. ID	OJ990615_06.9926.C22
Gene No.	46736	Strand	-
Start	1	End	1218
Name	OJ990615_06.9926.C22.o1.gs	Method	GENSCAN
Start	472	End	922
GI	none	Score	.57
Exons	472..591, 654..922		
Seq. No.	22443	Seq. ID	OJ990615_06.9926.C22
Gene No.	46737	Strand	-
Start	1305	End	1497
Name	OJ990615_06.9926.C22.o1.gp	Method	AAT/GAP

Start	1305	End	1497
GI	5667165	Score	353
Exons	1305..1497		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46738	Strand	+
Start	1109	End	1901
Name	OJ990615_06.9926.C23.o1.gs	Method	GENSCAN
Start	1109	End	1598
GI	none	Score	.94
Exons	1109..1118, 1525..1598		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46738	Strand	+
Start	1109	End	1901
Name	OJ990615_06.9926.C23.o2.gp	Method	AAT/GAP
Start	1392	End	1901
GI	38782_1.R1084	Score	841
Exons	1392..1901		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46739	Strand	-
Start	1	End	1888
Name	OJ990615_06.9926.C23.o1.np	Method	AAT/NAP
Start	1	End	1888
GI	6069659	Score	109
Exons	1..62, 234..364, 1854..1888		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46739	Strand	-
Start	1	End	1888
Name	OJ990615_06.9926.C23.o2.np	Method	AAT/NAP
Start	1	End	1045
GI	6907088	Score	527
Exons	1..54, 496..733, 909..1045		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46739	Strand	-
Start	1	End	1888
Name	OJ990615_06.9926.C23.o1.gp	Method	AAT/GAP
Start	56	End	235
GI	5667165	Score	320
Exons	56..235		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46740	Strand	-
Start	2621	End	4268
Name	OJ990615_06.9926.C23.o3.np	Method	AAT/NAP
Start	2621	End	4268

GI	4234852	Score	449
Exons	2621..2680, 3027..3600, 4225..4268		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46740	Strand	-
Start	2621	End	4268
Name	OJ990615_06.9926.C23.o1.tw	Method	TBLASTX:Wheat
Start	3021	End	3444
GI	none	Score	174
Exons	3021..3134, 3160..3444		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46740	Strand	-
Start	2621	End	4268
Name	OJ990615_06.9926.C23.o1.ts	Method	TBLASTX:Soybean
Start	3021	End	3572
GI	none	Score	60
Exons	3021..3143, 3178..3444, 3441..3572		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46740	Strand	-
Start	2621	End	4268
Name	OJ990615_06.9926.C23.o1.tm	Method	TBLASTX:Maize
Start	3021	End	3441
GI	none	Score	147
Exons	3021..3134, 3226..3441		

Seq. No.	22444	Seq. ID	OJ990615_06.9926.C23
Gene No.	46740	Strand	-
Start	2621	End	4268
Name	OJ990615_06.9926.C23.o2.gs	Method	GENSCAN
Start	3884	End	4246
GI	none	Score	.94
Exons	3884..4246		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46741	Strand	+
Start	631	End	11436
Name	OJ990615_06.9926.C25.o1.gs	Method	GENSCAN
Start	631	End	11436
GI	none	Score	.45
Exons	631..874, 906..1048, 1134..1362, 2256..2283, 2761..2858, 2960..3552, 3668..3760, 3983..4017, 7046..7196, 9849..10341, 10444..10649, 10887..11436		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46741	Strand	+
Start	631	End	11436
Name	OJ990615_06.9926.C25.o1.np	Method	AAT/NAP
Start	6905	End	11433
GI	6553891	Score	2276
Exons	6905..7196, 9849..11433		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46741	Strand	+

Start	631	End	11436
Name	OJ990615_06.9926.C25.o1.gp	Method	AAT/GAP
Start	9840	End	10401
GI	8275_1.R1084	Score	1085
Exons	9840..10401		
GI Descrip.	'3004565 2.0e-36 (AC003673) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46742	Strand	-
Start	10509	End	11638
Name	OJ990615_06.9926.C25.o2.ts	Method	TBLASTX:Soybean
Start	7087	End	10403
GI	none	Score	139
Exons	7087..7194, 7092..7226, 9849..10130, 9850..10131, 9853..10134, 10173..10403, 10189..10398, 10197..10403		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46742	Strand	-
Start	10509	End	11638
Name	OJ990615_06.9926.C25.o2.tm	Method	TBLASTX:Maize
Start	7090	End	10446
GI	none	Score	132
Exons	7090..7194, 7092..7205, 7126..7212, 9849..10091, 9850..10122, 10198..10386, 10200..10388, 10390..10446, 10405..10440		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46742	Strand	-
Start	10509	End	11638
Name	OJ990615_06.9926.C25.o2.tc	Method	TBLASTX:Cress
Start	10288	End	10524
GI	none	Score	88
Exons	10288..10365, 10293..10364, 10361..10519, 10362..10520, 10362..10520, 10363..10524		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46742	Strand	-
Start	10509	End	11638
Name	OJ990615_06.9926.C25.o1.tm	Method	TBLASTX:Maize
Start	10450	End	11298
GI	none	Score	130
Exons	10450..10725, 10457..10723, 10458..11072, 10465..11073, 11179..11298		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46742	Strand	-
Start	10509	End	11638
Name	OJ990615_06.9926.C25.o1.ts	Method	TBLASTX:Soybean
Start	10450	End	11436
GI	none	Score	147
Exons	10450..10725, 10519..10644, 10560..11138, 10561..11139, 10795..10959, 11127..11399, 11127..11309, 11128..11415, 11134..11199, 11137..11436, 11224..11295, 11224..11298		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46742	Strand	-
Start	10509	End	11638

Name	OJ990615_06.9926.C25.o2.gp	Method	AAT/GAP
Start	10509	End	11638
GI	1548_1.R1084	Score	2203
Exons	10509..11638		
GI Descrip.	'3004565 1.0e-119 (AC003673) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	22445	Seq. ID	OJ990615_06.9926.C25
Gene No.	46742	Strand	-
Start	10509	End	11638
Name	OJ990615_06.9926.C25.o1.tc	Method	TBLASTX:Cress
Start	10525	End	11430
GI	none	Score	72
Exons	10525..10644, 10795..10959, 11009..11080, 11080..11142, 11133..11390, 11133..11309, 11134..11430, 11149..11430		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o1.gp	Method	AAT/GAP
Start	1	End	2070
GI	359_1.R1084	Score	867
Exons	1..139, 1105..1227, 1333..1411, 1919..2070		
GI Descrip.	'2828296/emb|CAA16710.1| 4.0e-53 (AL021687) RNase L inhibitor-like protein [Arabidopsis thaliana]'		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o1.np	Method	AAT/NAP
Start	1	End	2070
GI	1519253	Score	694
Exons	1..139, 1105..1227, 1333..1411, 1919..2070		
GI Descrip.	(U65958) GF14-d protein [Oryza sativa]		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o1.ts	Method	TBLASTX:Soybean
Start	21	End	2070
GI	none	Score	71
Exons	21..80, 29..142, 29..139, 31..141, 1094..1228, 1105..1230, 1105..1230, 1163..1231, 1328..1414, 1331..1414, 1332..1421, 1333..1437, 1916..2053, 1918..2070		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o2.tm	Method	TBLASTX:Maize
Start	21	End	141
GI	none	Score	86
Exons	21..80, 23..139, 25..141, 25..141		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o2.tc	Method	TBLASTX:Cress

Start	21	End	142
GI	none	Score	72
Exons	21..80, 23..142, 23..139		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o1.gs	Method	GENSCAN
Start	23	End	1938
GI	none	Score	.92
Exons	23..139, 1105..1227, 1333..1411, 1919..1938		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o1.tw	Method	TBLASTX:Wheat
Start	29	End	1230
GI	none	Score	76
Exons	29..139, 30..80, 34..141, 37..141, 38..142, 1105..1230, 1112..1228		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o1.tm	Method	TBLASTX:Maize
Start	1043	End	2070
GI	none	Score	214
Exons	1043..1228, 1057..1230, 1062..1229, 1075..1230, 1157..1231, 1331..1414, 1331..1414, 1333..1446, 1916..2065, 1916..1960, 1918..2070, 2011..2070		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o1.tc	Method	TBLASTX:Cress
Start	1093	End	2064
GI	none	Score	115
Exons	1093..1230, 1103..1228, 1331..1411, 1333..1413, 1333..1422, 1933..2064, 1934..2056		

Seq. No.	22446	Seq. ID	OJ990615_06.9926.C26
Gene No.	46743	Strand	-
Start	1	End	2070
Name	OJ990615_06.9926.C26.o2.tw	Method	TBLASTX:Wheat
Start	1916	End	2070
GI	none	Score	147
Exons	1916..2047, 1918..2070		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46744	Strand	+
Start	1869	End	3409
Name	OJ990615_06.9926.C27.o1.np	Method	AAT/NAP
Start	1869	End	3409
GI	4585708	Score	261
Exons	1869..1986, 2140..2178, 2317..2442, 3219..3409		
GI Descrip.	(AJ238117) putative phospholipase A2 [Oryza sativa]		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46744	Strand	+
Start	1869	End	3409
Name	OJ990615_06.9926.C27.o1.gs	Method	GENSCAN
Start	1881	End	3400
GI	none	Score	.44
Exons	1881..2017, 2317..2473, 3248..3400		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46745	Strand	+
Start	10200	End	13992
Name	OJ990615_06.9926.C27.o3.np	Method	AAT/NAP
Start	10200	End	13071
GI	5803259	Score	1719
Exons	10200..11335, 12440..13071		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46745	Strand	+
Start	10200	End	13992
Name	OJ990615_06.9926.C27.o4.np	Method	AAT/NAP
Start	12067	End	13992
GI	6907087	Score	1484
Exons	12067..12449, 12658..13350, 13891..13992		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46746	Strand	+
Start	14559	End	19609
Name	OJ990615_06.9926.C27.o1.gp	Method	AAT/GAP
Start	14454	End	14838
GI	uC-osflcyp033a04b1	Score	674
Exons	14454..14838		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46746	Strand	+
Start	14559	End	19609
Name	OJ990615_06.9926.C27.o4.gs	Method	GENSCAN
Start	14559	End	17221
GI	none	Score	.42
Exons	14559..14624, 16070..17221		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46746	Strand	+
Start	14559	End	19609
Name	OJ990615_06.9926.C27.o6.np	Method	AAT/NAP
Start	16049	End	19609
GI	4680179	Score	590
Exons	16049..16908, 17071..17315, 18761..18840, 19548..19609		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-

Start	5329	End	19609
Name	OJ990615_06.9926.C27.o1.ts	Method	TBLASTX:Soybean
Start	2310	End	2461
GI	none	Score	192
Exons	2310..2459, 2315..2461		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-
Start	5329	End	19609
Name	OJ990615_06.9926.C27.o2.tm	Method	TBLASTX:Maize
Start	2310	End	3394
GI	none	Score	186
Exons	2310..2450, 2315..2428, 2319..2441, 2320..2460, 3207..3242, 3218..3274, 3298..3387, 3299..3394		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-
Start	5329	End	19609
Name	OJ990615_06.9926.C27.o1.tc	Method	TBLASTX:Cress
Start	2315	End	3376
GI	none	Score	189
Exons	2315..2467, 2322..2456, 3209..3265, 3299..3376		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-
Start	5329	End	19609
Name	OJ990615_06.9926.C27.o2.gs	Method	GENSCAN
Start	5329	End	9209
GI	none	Score	.48
Exons	5329..5454, 6513..6724, 6803..6840, 8377..8546, 8765..8851, 8950..8996, 9152..9209		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-
Start	5329	End	19609
Name	OJ990615_06.9926.C27.o2.np	Method	AAT/NAP
Start	8493	End	19609
GI	5042454	Score	206
Exons	8493..8553, 8956..9124, 9815..9871, 11068..11301, 11737..11850, 19484..19609		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-
Start	5329	End	19609
Name	OJ990615_06.9926.C27.o5.np	Method	AAT/NAP
Start	14383	End	14587
GI	4680186	Score	229
Exons	14383..14587		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-
Start	5329	End	19609
Name	OJ990615_06.9926.C27.o1.tw	Method	TBLASTX:Wheat
Start	16292	End	16651
GI	none	Score	280

Exons	16292..16651, 16294..16647		
Seq. No.	22447	Seq. ID	OJ990615_06.9926.C27
Gene No.	46747	Strand	-
Start	5329	End	19609
Name	OJ990615_06.9926.C27.o1.tm	Method	TBLASTX:Maize
Start	16532	End	16834
GI	none	Score	224
Exons	16532..16834, 16546..16635		
Seq. No.	22448	Seq. ID	OJ990615_06.9926.C28
Gene No.	46748	Strand	+
Start	1	End	1410
Name	OJ990615_06.9926.C28.o1.np	Method	AAT/NAP
Start	1	End	1410
GI	6539586	Score	774
Exons	1..544, 1306..1410		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	22448	Seq. ID	OJ990615_06.9926.C28
Gene No.	46748	Strand	+
Start	1	End	1410
Name	OJ990615_06.9926.C28.o1.gs	Method	GENSCAN
Start	104	End	641
GI	none	Score	.55
Exons	104..186, 288..641		
Seq. No.	22448	Seq. ID	OJ990615_06.9926.C28
Gene No.	46749	Strand	-
Start	1274	End	1678
Name	OJ990615_06.9926.C28.o2.np	Method	AAT/NAP
Start	1238	End	1678
GI	4680185	Score	469
Exons	1238..1678		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	22448	Seq. ID	OJ990615_06.9926.C28
Gene No.	46749	Strand	-
Start	1274	End	1678
Name	OJ990615_06.9926.C28.o2.gs	Method	GENSCAN
Start	1274	End	1633
GI	none	Score	.73
Exons	1274..1633		
Seq. No.	22449	Seq. ID	OJ990615_06.9926.C30
Gene No.	46750	Strand	+
Start	201	End	582
Name	OJ990615_06.9926.C30.o1.gp	Method	AAT/GAP
Start	201	End	582
GI	uC-osf1cyp033a04b1	Score	659
Exons	201..582		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	22449	Seq. ID	OJ990615_06.9926.C30
Gene No.	46751	Strand	-
Start	102	End	484

Name	OJ990615_06.9926.C30.o1.gs	Method	GENSCAN
Start	102	End	484
GI	none	Score	.73
Exons	102..332, 431..484		

Seq. No.	22449	Seq. ID	OJ990615_06.9926.C30
Gene No.	46751	Strand	-
Start	102	End	484
Name	OJ990615_06.9926.C30.o1.np	Method	AAT/NAP
Start	130	End	340
GI	4680186	Score	233
Exons	130..340		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22449	Seq. ID	OJ990615_06.9926.C30
Gene No.	46752	Strand	-
Start	431	End	484
Name	OJ990615_06.9926.C30.o2.np	Method	AAT/NAP
Start	431	End	484
GI	5852180	Score	37
Exons	431..484		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	22450	Seq. ID	OJ990615_06.9926.C31
Gene No.	46753	Strand	+
Start	266	End	598
Name	OJ990615_06.9926.C31.o1.gs	Method	GENSCAN
Start	266	End	598
GI	none	Score	.72
Exons	266..522, 567..598		

Seq. No.	22451	Seq. ID	OJ990615_06.9926.C32
Gene No.	46754	Strand	-
Start	1	End	256
Name	OJ990615_06.9926.C32.o1.np	Method	AAT/NAP
Start	1	End	256
GI	3021268	Score	45
Exons	1..22, 159..256		
GI Descrip.	(AL022347) putative protein [Arabidopsis thaliana]		

Seq. No.	22451	Seq. ID	OJ990615_06.9926.C32
Gene No.	46755	Strand	-
Start	159	End	429
Name	OJ990615_06.9926.C32.o1.gs	Method	GENSCAN
Start	159	End	429
GI	none	Score	.57
Exons	159..271, 411..429		

Seq. No.	22452	Seq. ID	OJ990615_06.9926.C33
Gene No.	46756	Strand	+
Start	126	End	731
Name	OJ990615_06.9926.C33.o1.gs	Method	GENSCAN
Start	126	End	711
GI	none	Score	.88
Exons	126..271, 338..711		

Seq. No.	22452	Seq. ID	OJ990615_06.9926.C33

Gene No.	46756	Strand	+
Start	126	End	731
Name	OJ990615_06.9926.C33.o1.np	Method	AAT/NAP
Start	142	End	731
GI	6907089	Score	946
Exons	142..731		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46757	Strand	+
Start	1	End	2630
Name	OJ990615_06.9926.C34.o1.np	Method	AAT/NAP
Start	1	End	2627
GI	6907089	Score	3320
Exons	1..657, 758..2627		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46757	Strand	+
Start	1	End	2630
Name	OJ990615_06.9926.C34.o1.gs	Method	GENSCAN
Start	41	End	2630
GI	none	Score	.79
Exons	41..461, 489..657, 758..2630		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o2.gs	Method	GENSCAN
Start	3251	End	10889
GI	none	Score	.47
Exons	3251..6787, 6851..8262, 8371..8561, 8605..9286, 9323..9493, 9849..9891, 10174..10231, 10852..10889		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o2.np	Method	AAT/NAP
Start	3254	End	8710
GI	6498441	Score	7290
Exons	3254..3535, 3629..5026, 5198..5921, 6096..6230, 6414..6787, 6851..7314, 7645..8710		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o6.tw	Method	TBLASTX:Wheat
Start	3263	End	3865
GI	none	Score	76
Exons	3263..3388, 3267..3389, 3581..3865, 3582..3860		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541

Name	OJ990615_06.9926.C34.o4.tw	Method	TBLASTX:Wheat
Start	3866	End	8303
GI	none	Score	239
Exons	3866..4246, 3897..4247, 8223..8303		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o2.tm	Method	TBLASTX:Maize
Start	4052	End	4384
GI	none	Score	82
Exons	4052..4264, 4061..4384, 4074..4355		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o8.tw	Method	TBLASTX:Wheat
Start	4577	End	4889
GI	none	Score	64
Exons	4577..4825, 4713..4889		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o5.tw	Method	TBLASTX:Wheat
Start	4892	End	5350
GI	none	Score	81
Exons	4892..5041, 4893..5030, 4907..5032, 5075..5326, 5076..5261, 5096..5350		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o1.ts	Method	TBLASTX:Soybean
Start	5759	End	6130
GI	none	Score	90
Exons	5759..6130, 5970..6113		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o2.tw	Method	TBLASTX:Wheat
Start	5789	End	6209
GI	none	Score	298
Exons	5789..6208, 5814..6209		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o3.tm	Method	TBLASTX:Maize
Start	5882	End	6266
GI	none	Score	236
Exons	5882..6265, 5901..6266		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541

Name	OJ990615_06.9926.C34.o1.tm	Method	TBLASTX:Maize
Start	6293	End	6649
GI	none	Score	73
Exons	6293..6409, 6293..6649, 6303..6614		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o1.tw	Method	TBLASTX:Wheat
Start	6317	End	6779
GI	none	Score	218
Exons	6317..6778, 6323..6778, 6324..6779		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o2.ts	Method	TBLASTX:Soybean
Start	6374	End	6739
GI	none	Score	117
Exons	6374..6508, 6515..6739		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o3.tw	Method	TBLASTX:Wheat
Start	6944	End	7430
GI	none	Score	160
Exons	6944..7429, 6975..7235, 7257..7430		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o4.tm	Method	TBLASTX:Maize
Start	8270	End	8554
GI	none	Score	108
Exons	8270..8518, 8271..8516, 8282..8554		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o7.tw	Method	TBLASTX:Wheat
Start	8304	End	8563
GI	none	Score	74
Exons	8304..8441, 8306..8425, 8408..8506, 8409..8489, 8513..8563		

Seq. No.	22453	Seq. ID	OJ990615_06.9926.C34
Gene No.	46758	Strand	-
Start	3251	End	11541
Name	OJ990615_06.9926.C34.o3.np	Method	AAT/NAP
Start	9440	End	11541
GI	5042454	Score	177
Exons	9440..9500, 9855..10021, 11504..11541		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22454	Seq. ID	OJ990615_06.9926.C35
Gene No.	46759	Strand	-
Start	1	End	1760

Name	OJ990615_06.9926.C35.o1.np	Method	AAT/NAP
Start	1	End	891
GI	6721562	Score	1107
Exons	1..891		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	22454	Seq. ID	OJ990615_06.9926.C35
Gene No.	46759	Strand	-
Start	1	End	1760
Name	OJ990615_06.9926.C35.o1.gs	Method	GENSCAN
Start	91	End	1627
GI	none	Score	.78
Exons	91..909, 963..1169, 1396..1482, 1581..1627		

Seq. No.	22454	Seq. ID	OJ990615_06.9926.C35
Gene No.	46759	Strand	-
Start	1	End	1760
Name	OJ990615_06.9926.C35.o2.np	Method	AAT/NAP
Start	1116	End	1760
GI	5042454	Score	178
Exons	1116..1176, 1587..1760		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22455	Seq. ID	OJ990615_06.9926.C36
Gene No.	46760	Strand	+
Start	2956	End	3059
Name	OJ990615_06.9926.C36.o1.gp	Method	AAT/GAP
Start	2956	End	3059
GI	2312354	Score	169
Exons	2956..3059		

Seq. No.	22456	Seq. ID	OJ990615_06.9926.C37
Gene No.	46761	Strand	+
Start	551	End	670
Name	OJ990615_06.9926.C37.o1.gs	Method	GENSCAN
Start	551	End	670
GI	none	Score	.73
Exons	551..670		

Seq. No.	22457	Seq. ID	OJ990615_06.9926.C38
Gene No.	46762	Strand	+
Start	71	End	190
Name	OJ990615_06.9926.C38.o1.gs	Method	GENSCAN
Start	71	End	190
GI	none	Score	.78
Exons	71..190		

Seq. No.	22457	Seq. ID	OJ990615_06.9926.C38
Gene No.	46763	Strand	+
Start	3941	End	5085
Name	OJ990615_06.9926.C38.o3.gs	Method	GENSCAN
Start	3941	End	5085
GI	none	Score	.78

Exons	3941..4381, 4942..5085		
Seq. No.	22457	Seq. ID	OJ990615_06.9926.C38
Gene No.	46764	Strand	-
Start	2685	End	3434
Name	OJ990615_06.9926.C38.o2.gs	Method	GENSCAN
Start	2685	End	3434
GI	none	Score	.49
Exons	2685..2899, 3023..3227, 3300..3434		
Seq. No.	22457	Seq. ID	OJ990615_06.9926.C38
Gene No.	46764	Strand	-
Start	2685	End	3434
Name	OJ990615_06.9926.C38.o2.tm	Method	TBLASTX:Maize
Start	2895	End	3380
GI	none	Score	76
Exons	2895..3191, 2983..3171, 3033..3173, 3318..3380		
Seq. No.	22457	Seq. ID	OJ990615_06.9926.C38
Gene No.	46765	Strand	
Start	4223	End	5485
Name	OJ990615_06.9926.C38.o1.tm	Method	TBLASTX:Maize
Start	4223	End	5485
GI	none	Score	257
Exons	4223..4381, 4288..4371, 4971..5084, 4972..5085, 4993..5085, 5413..5484, 5414..5485		
Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46766	Strand	+
Start	56	End	271
Name	OJ990615_06.9926.C39.o1.gp	Method	AAT/GAP
Start	56	End	271
GI	1548_1.R1084	Score	365
Exons	56..271		
GI Descrip.	'3004565 1.0e-119 (AC003673) putative protein kinase [Arabidopsis thaliana]'		
Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732
Name	OJ990615_06.9926.C39.o1.np	Method	AAT/NAP
Start	1	End	732
GI	6960305	Score	828
Exons	1..732		
GI Descrip.	(AF216523) FKF1 [Arabidopsis thaliana]		
Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732
Name	OJ990615_06.9926.C39.o2.ts	Method	TBLASTX:Soybean
Start	56	End	330
GI	none	Score	99
Exons	56..142, 82..330, 82..219, 85..213, 98..220, 136..261		
Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732

Name	OJ990615_06.9926.C39.o1.tm	Method	TBLASTX:Maize
Start	95	End	456
GI	none	Score	366
Exons	95..322, 97..321, 103..324, 104..322, 105..335, 319..456, 322..456		

Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732
Name	OJ990615_06.9926.C39.o1.gs	Method	GENSCAN
Start	131	End	668
GI	none	Score	.53
Exons	131..668		

Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732
Name	OJ990615_06.9926.C39.o1.tc	Method	TBLASTX:Cress
Start	169	End	492
GI	none	Score	246
Exons	169..417, 170..373, 187..423, 191..421, 415..492, 418..471, 425..487		

Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732
Name	OJ990615_06.9926.C39.o1.ts	Method	TBLASTX:Soybean
Start	377	End	732
GI	none	Score	52
Exons	377..583, 378..443, 382..591, 421..600, 422..607, 649..732, 650..730		

Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732
Name	OJ990615_06.9926.C39.o2.gp	Method	AAT/GAP
Start	379	End	732
GI	8275_1.R1084	Score	681
Exons	379..732		
GI Descrip.	'3004565 2.0e-36 (AC003673) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	22458	Seq. ID	OJ990615_06.9926.C39
Gene No.	46767	Strand	-
Start	1	End	732
Name	OJ990615_06.9926.C39.o2.tm	Method	TBLASTX:Maize
Start	470	End	732
GI	none	Score	112
Exons	470..550, 472..537, 536..730, 544..732		

Seq. No.	22459	Seq. ID	OJ990615_06.9926.C40
Gene No.	46768	Strand	+
Start	1	End	989
Name	OJ990615_06.9926.C40.o1.np	Method	AAT/NAP
Start	1	End	989
GI	6907089	Score	366
Exons	1..62, 503..627, 731..989		

GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	22459	Seq. ID	OJ990615_06.9926.C40
Gene No.	46768	Strand	+
Start	1	End	989
Name	OJ990615_06.9926.C40.o1.gs	Method	GENSCAN
Start	417	End	894
GI	none	Score	.53
Exons	417..627, 731..894		
Seq. No.	22460	Seq. ID	OJ990615_06.9926.C41
Gene No.	46769	Strand	+
Start	1	End	1089
Name	OJ990615_06.9926.C41.o1.np	Method	AAT/NAP
Start	1	End	1089
GI	6907089	Score	1143
Exons	1..486, 592..1089		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	22460	Seq. ID	OJ990615_06.9926.C41
Gene No.	46769	Strand	+
Start	1	End	1089
Name	OJ990615_06.9926.C41.o1.gs	Method	GENSCAN
Start	11	End	1010
GI	none	Score	.55
Exons	11..212, 318..486, 592..745, 875..1010		
Seq. No.	22461	Seq. ID	OJ990615_06.9926.C42
Gene No.	46770	Strand	-
Start	1	End	670
Name	OJ990615_06.9926.C42.o1.np	Method	AAT/NAP
Start	1	End	670
GI	5042454	Score	84
Exons	1..30, 84..175, 553..670		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	22461	Seq. ID	OJ990615_06.9926.C42
Gene No.	46770	Strand	-
Start	1	End	670
Name	OJ990615_06.9926.C42.o1.gs	Method	GENSCAN
Start	177	End	494
GI	none	Score	.63
Exons	177..290, 461..494		
Seq. No.	22461	Seq. ID	OJ990615_06.9926.C42
Gene No.	46770	Strand	-
Start	1	End	670
Name	OJ990615_06.9926.C42.o2.np	Method	AAT/NAP
Start	237	End	670
GI	5042454	Score	75
Exons	237..292, 575..670		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	22462	Seq. ID	OJ990615_06.9926.C43
Gene No.	46771	Strand	+
Start	1	End	905
Name	OJ990615_06.9926.C43.o1.np	Method	AAT/NAP

Start	1	End	905
GI	6498441	Score	844
Exons	1..35, 219..353, 528..905		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22462	Seq. ID	OJ990615_06.9926.C43
Gene No.	46771	Strand	+
Start	1	End	905
Name	OJ990615_06.9926.C43.o2.tw	Method	TBLASTX:Wheat
Start	25	End	239
GI	none	Score	233
Exons	25..237, 27..239		

Seq. No.	22462	Seq. ID	OJ990615_06.9926.C43
Gene No.	46771	Strand	+
Start	1	End	905
Name	OJ990615_06.9926.C43.o1.gs	Method	GENSCAN
Start	59	End	843
GI	none	Score	.81
Exons	59..843		

Seq. No.	22462	Seq. ID	OJ990615_06.9926.C43
Gene No.	46771	Strand	+
Start	1	End	905
Name	OJ990615_06.9926.C43.o1.tm	Method	TBLASTX:Maize
Start	183	End	567
GI	none	Score	364
Exons	183..548, 184..567		

Seq. No.	22462	Seq. ID	OJ990615_06.9926.C43
Gene No.	46771	Strand	+
Start	1	End	905
Name	OJ990615_06.9926.C43.o1.tw	Method	TBLASTX:Wheat
Start	240	End	660
GI	none	Score	496
Exons	240..635, 241..660		

Seq. No.	22462	Seq. ID	OJ990615_06.9926.C43
Gene No.	46771	Strand	+
Start	1	End	905
Name	OJ990615_06.9926.C43.o1.ts	Method	TBLASTX:Soybean
Start	319	End	690
GI	none	Score	285
Exons	319..690, 336..479		

Seq. No.	22463	Seq. ID	OJ990615_06.9926.C44
Gene No.	46772	Strand	-
Start	351	End	719
Name	OJ990615_06.9926.C44.o1.np	Method	AAT/NAP
Start	342	End	719
GI	4585708	Score	82
Exons	342..537, 688..719		
GI Descrip.	(AJ238117) putative phospholipase A2 [Oryza sativa]		

Seq. No.	22463	Seq. ID	OJ990615_06.9926.C44

Gene No.	46772	Strand	-
Start	351	End	719
Name	OJ990615_06.9926.C44.o1.gs	Method	GENSCAN
Start	351	End	669
GI	none	Score	.47
Exons	351..503, 541..669		

Seq. No.	22464	Seq. ID	OJ990615_06.9926.C46
Gene No.	46773	Strand	-
Start	1	End	721
Name	OJ990615_06.9926.C46.o1.np	Method	AAT/NAP
Start	1	End	721
GI	6498441	Score	622
Exons	1..241, 572..721		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22464	Seq. ID	OJ990615_06.9926.C46
Gene No.	46773	Strand	-
Start	1	End	721
Name	OJ990615_06.9926.C46.o1.gs	Method	GENSCAN
Start	12	End	663
GI	none	Score	.78
Exons	12..130, 161..368, 483..663		

Seq. No.	22464	Seq. ID	OJ990615_06.9926.C46
Gene No.	46773	Strand	-
Start	1	End	721
Name	OJ990615_06.9926.C46.o1.tw	Method	TBLASTX:Wheat
Start	12	End	353
GI	none	Score	85
Exons	12..353, 55..162, 184..345		

Seq. No.	22465	Seq. ID	OJ990615_06.9926.C47
Gene No.	46774	Strand	-
Start	541	End	704
Name	OJ990615_06.9926.C47.o1.gs	Method	GENSCAN
Start	541	End	655
GI	none	Score	.94
Exons	541..655		

Seq. No.	22465	Seq. ID	OJ990615_06.9926.C47
Gene No.	46774	Strand	-
Start	541	End	704
Name	OJ990615_06.9926.C47.o1.np	Method	AAT/NAP
Start	544	End	704
GI	6907089	Score	200
Exons	544..704		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o1.gp	Method	AAT/GAP
Start	348	End	7982
GI	42_1.R1084	Score	9114

Exons	348..1822, 2043..2204, 2319..2473, 3002..3871, 4170..4639, 4724..4787, 4911..5254, 5337..5516, 5623..5726, 5859..5968, 6454..6550, 6944..7044, 7130..7282, 7367..7480, 7571..7690, 7766..7982		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o1.tm	Method	TBLASTX:Maize
Start	349	End	996
GI	none	Score	678
Exons	349..993, 350..994, 350..991, 811..996		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o2.tc	Method	TBLASTX:Cress
Start	395	End	7846
GI	none	Score	44
Exons	395..991, 417..503, 527..829, 579..860, 921..992, 1283..1828, 1392..1745, 2028..2207, 2046..2204, 2319..2408, 2323..2412, 3444..3641, 3507..3602, 3681..3818, 3682..3834, 4171..4275, 4315..4638, 4387..4617, 4403..4630, 4968..5123, 5001..5099, 5184..5252, 5341..5409, 5343..5408, 5422..5511, 5858..5965, 5859..5951, 7142..7282, 7364..7432, 7577..7690, 7608..7691, 7790..7846		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o4.ts	Method	TBLASTX:Soybean
Start	395	End	5114
GI	none	Score	135
Exons	395..829, 527..787, 579..830, 1331..1828, 1392..1829, 3681..3818, 4165..4254, 4315..4638, 4384..4638, 4755..4841, 4974..5060, 5076..5114		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o1.ts	Method	TBLASTX:Soybean
Start	833	End	1330
GI	none	Score	207
Exons	833..1189, 833..1330, 915..1328, 1229..1330		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o2.tm	Method	TBLASTX:Maize
Start	1280	End	2090
GI	none	Score	224
Exons	1280..1816, 1392..1745, 1601..1816, 2046..2090		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o1.tw	Method	TBLASTX:Wheat
Start	1616	End	2207
GI	none	Score	87
Exons	1616..1828, 1629..1736, 2046..2204, 2047..2163, 2061..2207		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o3.ts	Method	TBLASTX:Soybean
Start	2025	End	3054
GI	none	Score	124
Exons	2025..2207, 2043..2204, 2047..2208, 2059..2205, 2319..2474, 2323..2460, 3000..3053, 3001..3054		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o3.tm	Method	TBLASTX:Maize
Start	2091	End	2372
GI	none	Score	161
Exons	2091..2207, 2091..2204, 2095..2205, 2319..2372, 2320..2370		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o1.tc	Method	TBLASTX:Cress
Start	3030	End	3441
GI	none	Score	325
Exons	3030..3440, 3034..3366, 3036..3431, 3157..3441		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o2.ts	Method	TBLASTX:Soybean
Start	3171	End	3537
GI	none	Score	292
Exons	3171..3524, 3175..3525, 3205..3537, 3326..3529		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o4.tm	Method	TBLASTX:Maize
Start	3295	End	3728
GI	none	Score	38
Exons	3295..3351, 3384..3641, 3427..3615, 3672..3716, 3681..3728		

Seq. No.	22466	Seq. ID	OJ990625_01.9921.C5
Gene No.	46775	Strand	-
Start	348	End	7982
Name	OJ990625_01.9921.C5.o5.ts	Method	TBLASTX:Soybean
Start	5064	End	5430
GI	none	Score	115
Exons	5064..5258, 5121..5258, 5143..5277, 5338..5430, 5342..5428		

Seq. No.	22467	Seq. ID	OJ990625_01.9921.C6
Gene No.	46776	Strand	+
Start	153	End	401
Name	OJ990625_01.9921.C6.o1.gp	Method	AAT/GAP
Start	153	End	401
GI	42_1.R1084	Score	469
Exons	153..401		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	22468	Seq. ID	OJ990625_01.9921.C9
Gene No.	46777	Strand	
Start	7	End	170
Name	OJ990625_01.9921.C9.o1.tm	Method	TBLASTX:Maize
Start	7	End	170
GI	none	Score	89
Exons	7..156, 8..109, 9..170, 10..147, 39..170		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46778	Strand	+
Start	4208	End	5471
Name	OJ990625_01.9921.C10.o1.gp	Method	AAT/GAP
Start	4208	End	5471
GI	21063_1.R1084	Score	1038
Exons	4208..4364, 4730..4974, 5311..5471		
GI Descrip.	'3098603 4.0e-74 (AF052191) katanin p60 subunit [Strongylocentrotus purpuratus]'		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o2.tm	Method	TBLASTX:Maize
Start	274	End	1594
GI	none	Score	187
Exons	274..432, 387..431, 1236..1406, 1237..1368, 1241..1405, 1376..1594, 1380..1592, 1525..1593		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o1.tc	Method	TBLASTX:Cress
Start	331	End	1596
GI	none	Score	162
Exons	331..432, 1236..1394, 1237..1365, 1401..1451, 1414..1452, 1444..1482, 1446..1493, 1521..1574, 1522..1596		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o3.tm	Method	TBLASTX:Maize
Start	4224	End	5467
GI	none	Score	128
Exons	4224..4361, 4729..4974, 4730..4975, 5312..5389, 5414..5467		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o2.tc	Method	TBLASTX:Cress
Start	4269	End	4972
GI	none	Score	76
Exons	4269..4361, 4733..4972, 4741..4953		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o1.ts	Method	TBLASTX:Soybean
Start	4302	End	5392
GI	none	Score	110
Exons	4302..4364, 4307..4369, 4308..4364, 4725..4964, 4726..4962, 4726..4974, 4727..4975, 4815..4979, 5304..5387, 5311..5391, 5312..5392		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o1.tw	Method	TBLASTX:Wheat
Start	4748	End	4975
GI	none	Score	212
Exons	4748..4975, 4765..4974		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o1.tm	Method	TBLASTX:Maize
Start	6036	End	6839
GI	none	Score	125
Exons	6036..6143, 6037..6132, 6054..6146, 6538..6696, 6542..6832, 6543..6839, 6547..6831		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o2.gp	Method	AAT/GAP
Start	6541	End	7166
GI	16329_1.R1084	Score	1113
Exons	6541..7166		
GI Descrip.	'3283072 3.0e-13 (AF056022) p60 katanin [Homo sapiens]'		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o2.ts	Method	TBLASTX:Soybean
Start	6542	End	6664
GI	none	Score	187
Exons	6542..6664, 6544..6663		

Seq. No.	22469	Seq. ID	OJ990625_01.9921.C10
Gene No.	46779	Strand	+
Start	6541	End	7166
Name	OJ990625_01.9921.C10.o3.tc	Method	TBLASTX:Cress

Start	6661	End	6920
GI	none	Score	224
Exons	6661..6822, 6662..6826, 6671..6874, 6675..6920		

Seq. No.	22470	Seq. ID	OJ990625_01.9921.C12
Gene No.	46780	Strand	+
Start	8257	End	8337
Name	OJ990625_01.9921.C12.o2.gp	Method	AAT/GAP
Start	8257	End	8337
GI	38012_1.R1084	Score	101
Exons	8257..8337		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	22470	Seq. ID	OJ990625_01.9921.C12
Gene No.	46781	Strand	-
Start	1	End	326
Name	OJ990625_01.9921.C12.o1.gp	Method	AAT/GAP
Start	1	End	326
GI	286945	Score	616
Exons	1..326		

Seq. No.	22471	Seq. ID	OJ990625_01.9921.C13
Gene No.	46782	Strand	
Start	107	End	2338
Name	OJ990625_01.9921.C13.o2.tm	Method	TBLASTX:Maize
Start	107	End	2338
GI	none	Score	101
Exons	107..166, 110..172, 112..177, 339..443, 353..451, 356..445, 730..828, 734..829, 734..826, 909..989, 918..1001, 1510..1602, 1516..1605, 1517..1618, 1521..1622, 1708..1821, 1709..1822, 1711..1824, 2015..2071, 2025..2057, 2152..2211, 2153..2212, 2306..2338, 2307..2336		

Seq. No.	22471	Seq. ID	OJ990625_01.9921.C13
Gene No.	46783	Strand	
Start	3291	End	5835
Name	OJ990625_01.9921.C13.o1.tm	Method	TBLASTX:Maize
Start	3291	End	5835
GI	none	Score	96
Exons	3291..3413, 3311..3418, 3317..3412, 3324..3419, 3522..3620, 3527..3616, 3534..3620, 3759..4013, 3759..4013, 3760..4014, 3761..4015, 5075..5170, 5076..5171, 5739..5810, 5740..5835, 5741..5827		

Seq. No.	22471	Seq. ID	OJ990625_01.9921.C13
Gene No.	46783	Strand	
Start	3291	End	5835
Name	OJ990625_01.9921.C13.o2.ts	Method	TBLASTX:Soybean
Start	3317	End	3625
GI	none	Score	60
Exons	3317..3418, 3321..3419, 3527..3625, 3528..3620, 3530..3625		

Seq. No.	22471	Seq. ID	OJ990625_01.9921.C13
Gene No.	46783	Strand	
Start	3291	End	5835
Name	OJ990625_01.9921.C13.o1.ts	Method	TBLASTX:Soybean

Start	3851	End	4025
GI	none	Score	135
Exons	3851..4015, 3852..4013, 3852..4025		

Seq. No.	22472	Seq. ID	OJ990625_01.9921.C15
Gene No.	46784	Strand	+
Start	705	End	879
Name	OJ990625_01.9921.C15.o1.gp	Method	AAT/GAP
Start	705	End	879
GI	15886_1.R1084	Score	275
Exons	705..879		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46785	Strand	+
Start	10168	End	10609
Name	OJ990625_01.9921.C18.o3.gp	Method	AAT/GAP
Start	10168	End	10609
GI	none	Score	868
Exons	10168..10609		

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46786	Strand	-
Start	3177	End	6006
Name	OJ990625_01.9921.C18.o2.gp	Method	AAT/GAP
Start	3177	End	6006
GI	2400_1.R1084	Score	2153
Exons	3177..3533, 4041..4091, 4180..4296, 4377..4451, 4538..4606, 4686..4717, 4880..4958, 5046..5087, 5181..5232, 5315..5394, 5748..6006		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o2.tm	Method	TBLASTX:Maize
Start	3232	End	5880
GI	none	Score	49
Exons	3232..3297, 3273..3296, 3368..3535, 3396..3536, 3397..3534, 4038..4094, 4038..4097, 4039..4095, 4180..4299, 4181..4297, 4356..4412, 4377..4412, 4388..4453, 4410..4454, 4535..4606, 4536..4607, 4536..4607, 4686..4718, 4687..4728, 4872..5003, 4917..4964, 5023..5082, 5046..5090, 5051..5086, 5181..5234, 5181..5234, 5182..5235, 5313..5390, 5314..5394, 5314..5394, 5315..5395, 5745..5879, 5748..5852, 5749..5880		

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o2.ts	Method	TBLASTX:Soybean
Start	3402	End	6021
GI	none	Score	118
Exons	3402..3536, 3403..3534, 3417..3536, 4038..4097, 4039..4098, 4150..4284, 4172..4297, 4178..4282, 4180..4299, 4377..4451, 4377..4439, 4381..4452, 4417..4452, 4510..4596, 4535..4606,		

4536..4607, 4536..4607, 4686..4718, 4687..4728, 4917..4964,
4918..4965, 5040..5090, 5047..5085, 5181..5234, 5188..5235,
5314..5394, 5315..5395, 5745..6014, 5749..6021

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o1.tc	Method	TBLASTX:Cress
Start	4038	End	6027
GI	none	Score	67

Exons 4038..4097, 4039..4092, 4178..4282, 4180..4299, 4190..4297,
4356..4451, 4377..4439, 4381..4452, 4382..4453, 4533..4613,
4535..4606, 4536..4607, 4686..4718, 4687..4728, 4881..4964,
4917..4964, 5046..5090, 5181..5234, 5188..5232, 5326..5394,
5330..5395, 5745..6014, 5749..6027

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o6.tm	Method	TBLASTX:Maize
Start	5881	End	6027
GI	none	Score	163

Exons 5881..6027, 5883..6014

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o3.ts	Method	TBLASTX:Soybean
Start	11717	End	12124
GI	none	Score	89

Exons 11717..11851, 11819..12124, 11873..11965, 11875..12123

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o1.tm	Method	TBLASTX:Maize
Start	11971	End	12457
GI	none	Score	242

Exons 11971..12171, 11972..12181, 12193..12456, 12193..12456,
12194..12457

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o3.tm	Method	TBLASTX:Maize
Start	12479	End	14336
GI	none	Score	164

Exons 12479..12589, 12479..12577, 12480..12593, 12665..12814,
12676..12834, 12677..12820, 12678..12833, 14174..14308,
14175..14300, 14175..14336, 14176..14325

Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o5.tm	Method	TBLASTX:Maize
Start	14355	End	14638
GI	none	Score	104

Exons	14355..14465, 14369..14467, 14460..14492, 14468..14491, 14493..14636, 14495..14638, 14495..14638		
Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o1.ts	Method	TBLASTX:Soybean
Start	14463	End	15020
GI	none	Score	120
Exons	14463..14609, 14483..14608, 14625..14867, 14679..14774, 14835..14867, 14901..15020, 14901..15017		
Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o4.tm	Method	TBLASTX:Maize
Start	14897	End	15077
GI	none	Score	250
Exons	14897..15052, 14898..15077		
Seq. No.	22473	Seq. ID	OJ990625_01.9921.C18
Gene No.	46787	Strand	-
Start	14973	End	15354
Name	OJ990625_01.9921.C18.o4.gp	Method	AAT/GAP
Start	14973	End	15354
GI	none	Score	744
Exons	14973..15354		
Seq. No.	22474	Seq. ID	OJ990625_01.9921.C22
Gene No.	46788	Strand	+
Start	1	End	1509
Name	OJ990625_01.9921.C22.o1.gp	Method	AAT/GAP
Start	1	End	1509
GI	15886_1.R1084	Score	1120
Exons	1..189, 1102..1509		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		
Seq. No.	22474	Seq. ID	OJ990625_01.9921.C22
Gene No.	46788	Strand	+
Start	1	End	1509
Name	OJ990625_01.9921.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	189
GI	none	Score	251
Exons	1..189, 3..188		
Seq. No.	22474	Seq. ID	OJ990625_01.9921.C22
Gene No.	46788	Strand	+
Start	1	End	1509
Name	OJ990625_01.9921.C22.o1.tc	Method	TBLASTX:Cress
Start	1	End	189
GI	none	Score	222
Exons	1..189, 3..188		
Seq. No.	22474	Seq. ID	OJ990625_01.9921.C22
Gene No.	46788	Strand	+
Start	1	End	1509

Name	OJ990625_01.9921.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	189
GI	none	Score	276
Exons	1..189, 3..188		

Seq. No.	22475	Seq. ID	OJ990625_01.9921.C26
Gene No.	46789	Strand	-
Start	1217	End	1919
Name	OJ990625_01.9921.C26.o1.gp	Method	AAT/GAP
Start	1217	End	1919
GI	none	Score	1136
Exons	1217..1453, 1566..1919		

Seq. No.	22475	Seq. ID	OJ990625_01.9921.C26
Gene No.	46790	Strand	-
Start	2068	End	2879
Name	OJ990625_01.9921.C26.o1.tm	Method	TBLASTX:Maize
Start	1340	End	1914
GI	none	Score	40
Exons	1340..1372, 1372..1407, 1373..1405, 1410..1454, 1410..1442, 1536..1733, 1572..1721, 1722..1784, 1723..1785, 1888..1914		

Seq. No.	22475	Seq. ID	OJ990625_01.9921.C26
Gene No.	46790	Strand	-
Start	2068	End	2879
Name	OJ990625_01.9921.C26.o2.gp	Method	AAT/GAP
Start	2068	End	2879
GI	uC-osrocyp036e02b1	Score	847
Exons	2068..2196, 2342..2419, 2609..2879		
GI Descrip.	'3540189 4.0e-17 (AC004122) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22476	Seq. ID	OJ990625_01.9921.C28
Gene No.	46791	Strand	
Start	717	End	2206
Name	OJ990625_01.9921.C28.o1.tm	Method	TBLASTX:Maize
Start	717	End	2206
GI	none	Score	69
Exons	717..815, 724..813, 744..815, 1932..2030, 1933..2037, 1942..2040, 2080..2196, 2131..2202, 2132..2203, 2132..2206		

Seq. No.	22477	Seq. ID	OJ990625_01.9921.C29
Gene No.	46792	Strand	+
Start	4098	End	6394
Name	OJ990625_01.9921.C29.o2.gp	Method	AAT/GAP
Start	4098	End	6394
GI	701282	Score	594
Exons	4098..4286, 6259..6394		

Seq. No.	22478	Seq. ID	OJ990625_01.9921.C30
Gene No.	46793	Strand	
Start	35	End	595
Name	OJ990625_01.9921.C30.o1.ts	Method	TBLASTX:Soybean
Start	35	End	595
GI	none	Score	124
Exons	35..151, 49..144, 215..349, 430..594, 431..595		

Seq. No.	22479	Seq. ID	OJ990625_03.9927.C5
Gene No.	46794	Strand	+
Start	1	End	708
Name	OJ990625_03.9927.C5.o1.np	Method	AAT/NAP
Start	1	End	708
GI	5091513	Score	809
Exons	1..708		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22479	Seq. ID	OJ990625_03.9927.C5
Gene No.	46794	Strand	+
Start	1	End	708
Name	OJ990625_03.9927.C5.o1.gs	Method	GENSCAN
Start	42	End	347
GI	none	Score	.89
Exons	42..347		

Seq. No.	22480	Seq. ID	OJ990625_03.9927.C6
Gene No.	46795	Strand	-
Start	2496	End	5096
Name	OJ990625_03.9927.C6.o1.tc	Method	TBLASTX:Cress
Start	376	End	852
GI	none	Score	96
Exons	376..450, 546..626, 547..636, 718..846, 718..852		

Seq. No.	22480	Seq. ID	OJ990625_03.9927.C6
Gene No.	46795	Strand	-
Start	2496	End	5096
Name	OJ990625_03.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	376	End	846
GI	none	Score	108
Exons	376..450, 381..452, 381..449, 531..632, 537..629, 547..636, 547..642, 718..846, 718..840		

Seq. No.	22480	Seq. ID	OJ990625_03.9927.C6
Gene No.	46795	Strand	-
Start	2496	End	5096
Name	OJ990625_03.9927.C6.o1.ts	Method	TBLASTX:Soybean
Start	376	End	846
GI	none	Score	114
Exons	376..450, 390..449, 546..626, 547..636, 718..846, 718..819		

Seq. No.	22480	Seq. ID	OJ990625_03.9927.C6
Gene No.	46795	Strand	-
Start	2496	End	5096
Name	OJ990625_03.9927.C6.o1.np	Method	AAT/NAP
Start	2408	End	5096
GI	2244831	Score	336
Exons	2408..2461, 3732..3863, 3900..4017, 4047..4431, 5006..5096		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22480	Seq. ID	OJ990625_03.9927.C6
Gene No.	46795	Strand	-
Start	2496	End	5096
Name	OJ990625_03.9927.C6.o1.gs	Method	GENSCAN
Start	2496	End	4974
GI	none	Score	.66

Exons 2496..2607, 2703..2747, 3490..3524, 3740..3991, 4099..4155, 4161..4479, 4823..4974

Seq. No.	22480	Seq. ID	OJ990625_03.9927.C6
Gene No.	46795	Strand	-
Start	2496	End	5096
Name	OJ990625_03.9927.C6.o1.gp	Method	AAT/GAP
Start	3035	End	3430
GI	569134	Score	788
Exons	3035..3430		

Seq. No.	22481	Seq. ID	OJ990625_03.9927.C7
Gene No.	46796	Strand	
Start	524	End	793
Name	OJ990625_03.9927.C7.o1.tw	Method	TBLASTX:Wheat
Start	524	End	793
GI	none	Score	94
Exons	524..646, 532..645, 632..742, 651..731, 731..793		

Seq. No.	22482	Seq. ID	OJ990625_03.9927.C8
Gene No.	46797	Strand	-
Start	30	End	440
Name	OJ990625_03.9927.C8.o1.gs	Method	GENSCAN
Start	30	End	440
GI	none	Score	.66
Exons	30..228, 295..440		

Seq. No.	22483	Seq. ID	OJ990625_03.9927.C9
Gene No.	46798	Strand	-
Start	986	End	6189
Name	OJ990625_03.9927.C9.o1.gs	Method	GENSCAN
Start	986	End	6189
GI	none	Score	.43
Exons	986..1116, 1439..1564, 2090..2178, 3941..4162, 4233..4386, 5013..5082, 6085..6189		

Seq. No.	22483	Seq. ID	OJ990625_03.9927.C9
Gene No.	46799	Strand	-
Start	8556	End	17321
Name	OJ990625_03.9927.C9.o2.gs	Method	GENSCAN
Start	8556	End	17321
GI	none	Score	.73
Exons	8556..8677, 8688..8915, 8994..9358, 9430..9638, 13399..13582, 14163..14253, 14301..14375, 16562..16675, 17315..17321		

Seq. No.	22484	Seq. ID	OJ990625_03.9927.C10
Gene No.	46800	Strand	-
Start	168	End	1563
Name	OJ990625_03.9927.C10.o1.gs	Method	GENSCAN
Start	168	End	1563
GI	none	Score	.67
Exons	168..376, 914..1044, 1511..1563		

Seq. No.	22485	Seq. ID	OJ990625_03.9927.C11
Gene No.	46801	Strand	-
Start	1415	End	1886
Name	OJ990625_03.9927.C11.o1.gs	Method	GENSCAN

Start	1415	End	1886
GI	none	Score	.86
Exons	1415..1509, 1760..1886		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46802	Strand	+
Start	12125	End	13160
Name	OJ990625_03.9927.C12.o2.gp	Method	AAT/GAP
Start	12125	End	13160
GI	25465_1.R1084	Score	841
Exons	12125..12360, 12923..13160		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46803	Strand	+
Start	25821	End	26792
Name	OJ990625_03.9927.C12.o4.gs	Method	GENSCAN
Start	25821	End	26792
GI	none	Score	.52
Exons	25821..25883, 26066..26224, 26365..26504, 26720..26792		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46804	Strand	+
Start	27589	End	31254
Name	OJ990625_03.9927.C12.o5.gs	Method	GENSCAN
Start	27589	End	31254
GI	none	Score	.57
Exons	27589..27675, 29078..29290, 29370..30305, 30391..30538, 30647..31254		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46805	Strand	-
Start	1	End	8500
Name	OJ990625_03.9927.C12.o1.np	Method	AAT/NAP
Start	1	End	970
GI	6539588	Score	228
Exons	1..253, 944..970		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46805	Strand	-
Start	1	End	8500
Name	OJ990625_03.9927.C12.o1.gs	Method	GENSCAN
Start	8	End	8500
GI	none	Score	.46
Exons	8..253, 490..669, 1160..1237, 2287..2473, 3514..3600, 5004..6388, 6526..6719, 7425..7527, 8494..8500		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46805	Strand	-
Start	1	End	8500
Name	OJ990625_03.9927.C12.o2.np	Method	AAT/NAP
Start	2313	End	4744
GI	3687239	Score	92
Exons	2313..2416, 3514..3622, 4711..4744		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis		

thaliana]

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46805	Strand	-
Start	1	End	8500
Name	OJ990625_03.9927.C12.o3.np	Method	AAT/NAP
Start	4980	End	5555
GI	5852173	Score	355
Exons	4980..5555		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46805	Strand	-
Start	1	End	8500
Name	OJ990625_03.9927.C12.o1.gp	Method	AAT/GAP
Start	6355	End	6699
GI	2442632	Score	372
Exons	6355..6388, 6526..6699		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46806	Strand	-
Start	11915	End	18756
Name	OJ990625_03.9927.C12.o2.gs	Method	GENSCAN
Start	11915	End	18756
GI	none	Score	.62
Exons	11915..12067, 12252..12395, 12435..12542, 12877..12980, 13312..13441, 14226..14903, 16126..16220, 16434..16524, 17853..18331, 18389..18574, 18750..18756		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o1.tm	Method	TBLASTX:Maize
Start	3474	End	24961
GI	none	Score	126
Exons	3474..3599, 3514..3603, 3515..3604, 23373..23504, 23384..23551, 23410..23550, 23650..23721, 23651..23719, 23652..23735, 24486..24575, 24487..24576, 24788..24961, 24789..24929		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o1.tc	Method	TBLASTX:Cress
Start	3514	End	24935
GI	none	Score	102
Exons	3514..3603, 3515..3604, 23379..23504, 23425..23550, 23429..23551, 23461..23595, 23650..23721, 23651..23719, 24486..24575, 24487..24576, 24788..24928, 24789..24935		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o2.ts	Method	TBLASTX:Soybean
Start	3514	End	24929
GI	none	Score	112
Exons	3514..3603, 3515..3604, 24486..24575, 24487..24576, 24788..24928, 24789..24929		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o3.gs	Method	GENSCAN
Start	19079	End	24928
GI	none	Score	.52
Exons	19079..19256, 20289..20338, 23518..23718, 24486..24572, 24635..24928		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o3.gp	Method	AAT/GAP
Start	23149	End	23551
GI	20850_1.R1084	Score	690
Exons	23149..23551		
GI Descrip.	'3687239 3.0e-18 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o2.tw	Method	TBLASTX:Wheat
Start	23294	End	23721
GI	none	Score	213
Exons	23294..23335, 23416..23550, 23417..23551, 23420..23551, 23424..23597, 23650..23721, 23651..23719		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o1.ts	Method	TBLASTX:Soybean
Start	23413	End	23728
GI	none	Score	117
Exons	23413..23541, 23416..23547, 23417..23548, 23417..23548, 23650..23727, 23650..23721, 23651..23728		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o4.np	Method	AAT/NAP
Start	23419	End	24928
GI	3687239	Score	578
Exons	23419..23550, 23650..23718, 24486..24572, 24788..24928		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46807	Strand	-
Start	19079	End	24989
Name	OJ990625_03.9927.C12.o4.gp	Method	AAT/GAP
Start	23672	End	24989
GI	2280898	Score	525
Exons	23672..23718, 24486..24572, 24788..24989		
GI Descrip.	3687239 1.0e-13 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]		

Seq. No.	22486	Seq. ID	OJ990625_03.9927.C12
Gene No.	46808	Strand	
Start	32066	End	32485
Name	OJ990625_03.9927.C12.o1.tw	Method	TBLASTX:Wheat
Start	32066	End	32485
GI	none	Score	330
Exons	32066..32485, 32077..32376		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46809	Strand	+
Start	2292	End	2403
Name	OJ990625_03.9927.C13.o1.gp	Method	AAT/GAP
Start	2292	End	2403
GI	uC-osflcyp088b12b1	Score	156
Exons	2292..2403		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46810	Strand	+
Start	4901	End	8156
Name	OJ990625_03.9927.C13.o2.gs	Method	GENSCAN
Start	4901	End	8132
GI	none	Score	.48
Exons	4901..5249, 5641..5777, 6117..6422, 6672..7588, 7814..8132		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46810	Strand	+
Start	4901	End	8156
Name	OJ990625_03.9927.C13.o3.np	Method	AAT/NAP
Start	4912	End	8156
GI	4680203	Score	1889
Exons	4912..6555, 6715..6944, 7221..8156		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o1.np	Method	AAT/NAP
Start	1	End	4689
GI	2909637	Score	136
Exons	1..831, 4650..4689		
GI Descrip.	(AL021942) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o2.np	Method	AAT/NAP
Start	1575	End	5625
GI	4680183	Score	106
Exons	1575..1777, 5601..5625		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386

Name	OJ990625_03.9927.C13.o3.tm	Method	TBLASTX:Maize
Start	2854	End	3252
GI	none	Score	60
Exons	2854..2937, 2923..3252, 2923..3051, 3100..3234		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o3.tw	Method	TBLASTX:Wheat
Start	5358	End	5806
GI	none	Score	178
Exons	5358..5669, 5682..5789, 5705..5806		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o1.ts	Method	TBLASTX:Soybean
Start	5378	End	5662
GI	none	Score	316
Exons	5378..5662, 5379..5660		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o1.tc	Method	TBLASTX:Cress
Start	5679	End	6029
GI	none	Score	292
Exons	5679..6029, 5687..5836, 5876..6028		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o4.ts	Method	TBLASTX:Soybean
Start	5679	End	5948
GI	none	Score	221
Exons	5679..5948, 5693..5947		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o2.tw	Method	TBLASTX:Wheat
Start	5816	End	6130
GI	none	Score	338
Exons	5816..6088, 5817..6104, 5834..6130		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o1.tm	Method	TBLASTX:Maize
Start	5873	End	6317
GI	none	Score	215
Exons	5873..6100, 5874..6107, 6122..6316, 6123..6317		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46811	Strand	-
Start	1	End	6386
Name	OJ990625_03.9927.C13.o2.ts	Method	TBLASTX:Soybean

Start	6152	End	6386
GI	none	Score	224
Exons	6152..6307, 6153..6386, 6177..6377		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46812	Strand	
Start	6498	End	6812
Name	OJ990625_03.9927.C13.o4.tw	Method	TBLASTX:Wheat
Start	6498	End	6812
GI	none	Score	133
Exons	6498..6617, 6498..6587, 6499..6606, 6512..6610, 6618..6701, 6629..6670, 6728..6805, 6729..6812		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46812	Strand	
Start	6498	End	6812
Name	OJ990625_03.9927.C13.o4.tm	Method	TBLASTX:Maize
Start	6501	End	6692
GI	none	Score	198
Exons	6501..6692, 6542..6691		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46813	Strand	
Start	6804	End	8078
Name	OJ990625_03.9927.C13.o2.tm	Method	TBLASTX:Maize
Start	6804	End	7184
GI	none	Score	48
Exons	6804..6857, 6869..7165, 6870..7184		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46813	Strand	
Start	6804	End	8078
Name	OJ990625_03.9927.C13.o1.tw	Method	TBLASTX:Wheat
Start	6828	End	8078
GI	none	Score	496
Exons	6828..7373, 6872..7360, 7368..7550, 7409..7453, 7574..7714, 7581..7745, 7725..7781, 7725..7781, 7782..7835, 7787..7819, 7853..7945, 7854..7958, 7959..8078		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46813	Strand	
Start	6804	End	8078
Name	OJ990625_03.9927.C13.o2.tc	Method	TBLASTX:Cress
Start	7115	End	7541
GI	none	Score	216
Exons	7115..7360, 7119..7373, 7368..7541, 7409..7537		

Seq. No.	22487	Seq. ID	OJ990625_03.9927.C13
Gene No.	46813	Strand	
Start	6804	End	8078
Name	OJ990625_03.9927.C13.o3.ts	Method	TBLASTX:Soybean
Start	7767	End	8015
GI	none	Score	223
Exons	7767..8015, 7769..7948		

Seq. No.	22488	Seq. ID	OJ990625_03.9927.C14
Gene No.	46814	Strand	+

Start	1	End	2654
Name	OJ990625_03.9927.C14.o1.np	Method	AAT/NAP
Start	1	End	2654
GI	5430752	Score	155
Exons	1..406, 563..756, 2512..2654		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	22489	Seq. ID	OJ990625_03.9927.C15
Gene No.	46815	Strand	+
Start	115	End	3788
Name	OJ990625_03.9927.C15.o1.gs	Method	GENSCAN
Start	115	End	3788
GI	none	Score	.55
Exons	115..247, 397..491, 689..928, 1043..1123, 1179..1207, 1326..1496, 3704..3788		

Seq. No.	22489	Seq. ID	OJ990625_03.9927.C15
Gene No.	46816	Strand	+
Start	7486	End	8507
Name	OJ990625_03.9927.C15.o3.gs	Method	GENSCAN
Start	7486	End	8435
GI	none	Score	.89
Exons	7486..7597, 7790..8435		

Seq. No.	22489	Seq. ID	OJ990625_03.9927.C15
Gene No.	46816	Strand	+
Start	7486	End	8507
Name	OJ990625_03.9927.C15.o1.np	Method	AAT/NAP
Start	7739	End	8507
GI	5734709	Score	152
Exons	7739..8507		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	22490	Seq. ID	OJ990625_03.9927.C16
Gene No.	46817	Strand	+
Start	140	End	11973
Name	OJ990625_03.9927.C16.o1.gs	Method	GENSCAN
Start	140	End	11973
GI	none	Score	.43
Exons	140..355, 583..666, 2903..3107, 9758..9855, 11281..11401, 11723..11973		

Seq. No.	22490	Seq. ID	OJ990625_03.9927.C16
Gene No.	46817	Strand	+
Start	140	End	11973
Name	OJ990625_03.9927.C16.o1.tm	Method	TBLASTX:Maize
Start	4489	End	4847
GI	none	Score	85
Exons	4489..4779, 4496..4771, 4779..4847		

Seq. No.	22490	Seq. ID	OJ990625_03.9927.C16
Gene No.	46817	Strand	+
Start	140	End	11973
Name	OJ990625_03.9927.C16.o1.np	Method	AAT/NAP
Start	11696	End	11952
GI	6539588	Score	102

Exons	11696..11952		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	22491	Seq. ID	OJ990625_03.9927.C17
Gene No.	46818	Strand	+
Start	70	End	1885
Name	OJ990625_03.9927.C17.o1.gs	Method	GENSCAN
Start	70	End	1885
GI	none	Score	.58
Exons	70..181, 1767..1885		
Seq. No.	22491	Seq. ID	OJ990625_03.9927.C17
Gene No.	46819	Strand	+
Start	6069	End	6504
Name	OJ990625_03.9927.C17.o3.gs	Method	GENSCAN
Start	6069	End	6504
GI	none	Score	.41
Exons	6069..6289, 6336..6504		
Seq. No.	22491	Seq. ID	OJ990625_03.9927.C17
Gene No.	46820	Strand	-
Start	1038	End	6643
Name	OJ990625_03.9927.C17.o1.np	Method	AAT/NAP
Start	1038	End	6643
GI	5091513	Score	675
Exons	1038..1054, 4313..4772, 4928..5080, 6017..6643		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	22492	Seq. ID	OJ990625_03.9927.C18
Gene No.	46821	Strand	-
Start	1	End	1213
Name	OJ990625_03.9927.C18.o1.np	Method	AAT/NAP
Start	1	End	1213
GI	5091513	Score	1245
Exons	1..1213		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	22492	Seq. ID	OJ990625_03.9927.C18
Gene No.	46821	Strand	-
Start	1	End	1213
Name	OJ990625_03.9927.C18.o1.gs	Method	GENSCAN
Start	72	End	984
GI	none	Score	.98
Exons	72..761, 763..984		
Seq. No.	22493	Seq. ID	OJ990625_03.9927.C19
Gene No.	46822	Strand	-
Start	1	End	4457
Name	OJ990625_03.9927.C19.o1.np	Method	AAT/NAP
Start	1	End	4457
GI	5091513	Score	391
Exons	1..220, 955..1278, 1348..1454, 2127..2220, 4437..4457		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	22493	Seq. ID	OJ990625_03.9927.C19
Gene No.	46822	Strand	-
Start	1	End	4457

Name	OJ990625_03.9927.C19.o1.gs	Method	GENSCAN
Start	115	End	3512
GI	none	Score	.45
Exons	115..293, 649..707, 1015..1191, 1827..2221, 2464..2524, 3465..3512		

Seq. No.	22493	Seq. ID	OJ990625_03.9927.C19
Gene No.	46822	Strand	-
Start	1	End	4457
Name	OJ990625_03.9927.C19.o2.np	Method	AAT/NAP
Start	1739	End	3145
GI	4193320	Score	26
Exons	1739..1910, 3098..3145		
GI Descrip.	(AF045473) histone deacetylase [Zea mays]		

Seq. No.	22493	Seq. ID	OJ990625_03.9927.C19
Gene No.	46822	Strand	-
Start	1	End	4457
Name	OJ990625_03.9927.C19.o1.gp	Method	AAT/GAP
Start	2611	End	2917
GI	72524_1.R1084	Score	392
Exons	2611..2917		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20
Gene No.	46823	Strand	-
Start	2476	End	11466
Name	OJ990625_03.9927.C20.o1.gs	Method	GENSCAN
Start	2476	End	9898
GI	none	Score	.43
Exons	2476..3113, 3684..3772, 4176..4248, 4541..5560, 5600..5896, 5936..6503, 6588..6869, 6889..7003, 8665..8725, 8920..9384, 9832..9898		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20
Gene No.	46823	Strand	-
Start	2476	End	11466
Name	OJ990625_03.9927.C20.o1.np	Method	AAT/NAP
Start	4713	End	7973
GI	4325357	Score	428
Exons	4713..5286, 6091..6711, 7948..7973		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20
Gene No.	46823	Strand	-
Start	2476	End	11466
Name	OJ990625_03.9927.C20.o2.np	Method	AAT/NAP
Start	7926	End	11383
GI	6721502	Score	189
Exons	7926..8044, 11049..11383		
GI Descrip.	(AP001072) Similar to chromaffin granule ATPase II homolog. (U75321) [Oryza sativa]		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20

Gene No.	46823	Strand	-
Start	2476	End	11466
Name	OJ990625_03.9927.C20.o2.gs	Method	GENSCAN
Start	10744	End	11466
GI	none	Score	.99
Exons	10744..11466		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20
Gene No.	46824	Strand	-
Start	12808	End	13099
Name	OJ990625_03.9927.C20.o2.tw	Method	TBLASTX:Wheat
Start	5052	End	5423
GI	none	Score	69
Exons	5052..5231, 5053..5166, 5280..5423		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20
Gene No.	46824	Strand	-
Start	12808	End	13099
Name	OJ990625_03.9927.C20.o1.tc	Method	TBLASTX:Cress
Start	6195	End	6503
GI	none	Score	189
Exons	6195..6503		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20
Gene No.	46824	Strand	-
Start	12808	End	13099
Name	OJ990625_03.9927.C20.o1.tw	Method	TBLASTX:Wheat
Start	6222	End	6650
GI	none	Score	102
Exons	6222..6329, 6303..6515, 6534..6650		

Seq. No.	22494	Seq. ID	OJ990625_03.9927.C20
Gene No.	46824	Strand	-
Start	12808	End	13099
Name	OJ990625_03.9927.C20.o2.gp	Method	AAT/GAP
Start	12808	End	13099
GI	LIB3432-022-P1-K1-C11	Score	515
Exons	12808..13099		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	22495	Seq. ID	OJ990325_09.9921.C1
Gene No.	46825	Strand	+
Start	1	End	660
Name	OJ990325_09.9921.C1.o1.np	Method	AAT/NAP
Start	1	End	660
GI	4680179	Score	528
Exons	1..660		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22495	Seq. ID	OJ990325_09.9921.C1
Gene No.	46825	Strand	+
Start	1	End	660
Name	OJ990325_09.9921.C1.o1.gs	Method	GENSCAN
Start	144	End	623
GI	none	Score	.58

Exons	144..623		
Seq. No.	22495	Seq. ID	OJ990325_09.9921.C1
Gene No.	46825	Strand	+
Start	1	End	660
Name	OJ990325_09.9921.C1.o1.tw	Method	TBLASTX:Wheat
Start	184	End	542
GI	none	Score	50
Exons	184..360, 191..385, 192..542		
Seq. No.	22495	Seq. ID	OJ990325_09.9921.C1
Gene No.	46825	Strand	+
Start	1	End	660
Name	OJ990325_09.9921.C1.o1.tm	Method	TBLASTX:Maize
Start	192	End	497
GI	none	Score	232
Exons	192..497, 206..322		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o1.np	Method	AAT/NAP
Start	1	End	607
GI	4512242	Score	1046
Exons	1..607		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o1.ts	Method	TBLASTX:Soybean
Start	2	End	172
GI	none	Score	211
Exons	2..172, 40..171		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o2.tw	Method	TBLASTX:Wheat
Start	2	End	187
GI	none	Score	231
Exons	2..187, 49..171		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o2.tm	Method	TBLASTX:Maize
Start	2	End	253
GI	none	Score	268
Exons	2..253, 40..252		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o1.gs	Method	GENSCAN
Start	93	End	575
GI	none	Score	.98

Exons	93..575		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o1.tw	Method	TBLASTX:Wheat
Start	188	End	670
GI	none	Score	617
Exons	188..670, 220..609		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o2.ts	Method	TBLASTX:Soybean
Start	194	End	439
GI	none	Score	207
Exons	194..439, 211..339		
Seq. No.	22496	Seq. ID	OJ990325_09.9921.C2
Gene No.	46826	Strand	+
Start	1	End	670
Name	OJ990325_09.9921.C2.o1.tm	Method	TBLASTX:Maize
Start	259	End	613
GI	none	Score	482
Exons	259..609, 260..613		
Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46827	Strand	+
Start	346	End	2289
Name	OJ990325_09.9921.C5.o1.gs	Method	GENSCAN
Start	346	End	2289
GI	none	Score	.78
Exons	346..409, 1059..1095, 1280..1383, 2183..2289		
Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46828	Strand	+
Start	6633	End	7613
Name	OJ990325_09.9921.C5.o2.np	Method	AAT/NAP
Start	6633	End	7613
GI	4680179	Score	865
Exons	6633..7613		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46829	Strand	-
Start	2182	End	3860
Name	OJ990325_09.9921.C5.o1.np	Method	AAT/NAP
Start	2182	End	3860
GI	6907087	Score	741
Exons	2182..2283, 2825..3860		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46830	Strand	-
Start	8022	End	10039

Name	OJ990325_09.9921.C5.o4.np	Method	AAT/NAP
Start	7923	End	8872
GI	5852181	Score	130
Exons	7923..8200, 8652..8872		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46830	Strand	-
Start	8022	End	10039
Name	OJ990325_09.9921.C5.o3.gs	Method	GENSCAN
Start	8022	End	10039
GI	none	Score	.82
Exons	8022..8234, 8314..8448, 10037..10039		

Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46831	Strand	-
Start	13703	End	15738
Name	OJ990325_09.9921.C5.o1.tw	Method	TBLASTX:Wheat
Start	6867	End	7227
GI	none	Score	131
Exons	6867..7088, 6894..7028, 7076..7174, 7097..7165, 7161..7223, 7162..7227		

Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46831	Strand	-
Start	13703	End	15738
Name	OJ990325_09.9921.C5.o4.gs	Method	GENSCAN
Start	13703	End	14995
GI	none	Score	.44
Exons	13703..14379, 14856..14995		

Seq. No.	22497	Seq. ID	OJ990325_09.9921.C5
Gene No.	46831	Strand	-
Start	13703	End	15738
Name	OJ990325_09.9921.C5.o6.np	Method	AAT/NAP
Start	13848	End	15738
GI	5852181	Score	130
Exons	13848..13929, 15120..15412, 15701..15738		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	22498	Seq. ID	OJ990325_09.9921.C6
Gene No.	46832	Strand	+
Start	1385	End	1879
Name	OJ990325_09.9921.C6.o1.gs	Method	GENSCAN
Start	1385	End	1879
GI	none	Score	.81
Exons	1385..1456, 1549..1680, 1785..1879		

Seq. No.	22498	Seq. ID	OJ990325_09.9921.C6
Gene No.	46833	Strand	+
Start	2833	End	6499
Name	OJ990325_09.9921.C6.o2.np	Method	AAT/NAP
Start	2833	End	6499
GI	6721516	Score	581
Exons	2833..3082, 3496..3725, 3795..3835, 6280..6499		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22498	Seq. ID	OJ990325_09.9921.C6
Gene No.	46834	Strand	-
Start	751	End	1716
Name	OJ990325_09.9921.C6.o1.np	Method	AAT/NAP
Start	751	End	1716
GI	3342234	Score	133
Exons	751..1410, 1621..1716		
GI Descrip.	(U93909) nuclear antigen EBNA-1 [Cercopithecine herpesvirus 15]		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o2.ts	Method	TBLASTX:Soybean
Start	124	End	805
GI	none	Score	76
Exons	124..393, 218..385, 440..805, 462..803		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o1.tm	Method	TBLASTX:Maize
Start	132	End	817
GI	none	Score	93
Exons	132..242, 143..436, 152..241, 157..438, 368..454, 372..482, 440..817, 441..812		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o1.np	Method	AAT/NAP
Start	154	End	1930
GI	6630685	Score	2079
Exons	154..1816, 1905..1930		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o1.tc	Method	TBLASTX:Cress
Start	172	End	628
GI	none	Score	71
Exons	172..417, 224..391, 425..535, 539..628		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o2.tw	Method	TBLASTX:Wheat
Start	572	End	1003
GI	none	Score	101
Exons	572..829, 842..1003		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o2.tm	Method	TBLASTX:Maize
Start	941	End	1372

GI	none	Score	126
Exons	941..1372, 942..1088, 944..1363		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o1.ts	Method	TBLASTX:Soybean
Start	1179	End	1791
GI	5509260	Score	255
Exons	1179..1502, 1179..1394, 1184..1498, 1495..1791, 1496..1696, 1501..1698		
GI Descrip.	-		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o1.tw	Method	TBLASTX:Wheat
Start	1187	End	1662
GI	none	Score	87
Exons	1187..1363, 1193..1498, 1194..1379, 1197..1502, 1404..1502, 1405..1512, 1495..1539, 1496..1531, 1540..1566, 1573..1662		

Seq. No.	22499	Seq. ID	OJ990325_09.9921.C7
Gene No.	46835	Strand	-
Start	154	End	1930
Name	OJ990325_09.9921.C7.o3.tm	Method	TBLASTX:Maize
Start	1495	End	1815
GI	none	Score	78
Exons	1495..1563, 1496..1567, 1559..1762, 1573..1776, 1573..1815		

Seq. No.	22500	Seq. ID	OJ990325_09.9921.C8
Gene No.	46836	Strand	+
Start	1	End	4126
Name	OJ990325_09.9921.C8.o1.np	Method	AAT/NAP
Start	1	End	4126
GI	5852180	Score	669
Exons	1..35, 1642..1695, 2681..2798, 2850..3261, 3962..4126		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	22500	Seq. ID	OJ990325_09.9921.C8
Gene No.	46837	Strand	-
Start	94	End	3308
Name	OJ990325_09.9921.C8.o1.gs	Method	GENSCAN
Start	94	End	3308
GI	none	Score	.41
Exons	94..291, 484..673, 2809..2933, 3005..3308		

Seq. No.	22500	Seq. ID	OJ990325_09.9921.C8
Gene No.	46837	Strand	-
Start	94	End	3308
Name	OJ990325_09.9921.C8.o1.gp	Method	AAT/GAP
Start	1544	End	1926
GI	uC-osflcyp033a04b1	Score	680
Exons	1544..1926		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46838	Strand	+
Start	1423	End	2517
Name	OJ990325_09.9921.C9.o3.np	Method	AAT/NAP
Start	1423	End	2517
GI	4680186	Score	350
Exons	1423..1477, 2317..2517		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o1.np	Method	AAT/NAP
Start	1	End	854
GI	3645899	Score	642
Exons	1..31, 154..854		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o1.gs	Method	GENSCAN
Start	108	End	2346
GI	none	Score	.59
Exons	108..565, 1110..1342, 2282..2346		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o1.tm	Method	TBLASTX:Maize
Start	147	End	482
GI	none	Score	286
Exons	147..482, 148..477		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o1.tw	Method	TBLASTX:Wheat
Start	231	End	477
GI	none	Score	93
Exons	231..476, 247..477		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o2.tw	Method	TBLASTX:Wheat
Start	576	End	830
GI	none	Score	99
Exons	576..830, 595..816		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o2.tm	Method	TBLASTX:Maize
Start	582	End	966
GI	none	Score	96
Exons	582..845, 607..825, 872..964, 874..966		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o2.np	Method	AAT/NAP
Start	865	End	3195
GI	4416301	Score	84
Exons	865..1033, 3167..3195		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	22501	Seq. ID	OJ990325_09.9921.C9
Gene No.	46839	Strand	-
Start	1	End	3195
Name	OJ990325_09.9921.C9.o1.gp	Method	AAT/GAP
Start	2069	End	2450
GI	uC-osflcyp033a04b1	Score	655
Exons	2069..2450		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o1.np	Method	AAT/NAP
Start	1	End	2194
GI	4680179	Score	3084
Exons	1..2194		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o5.tw	Method	TBLASTX:Wheat
Start	5	End	260
GI	none	Score	130
Exons	5..259, 27..260		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o1.tm	Method	TBLASTX:Maize
Start	107	End	706
GI	none	Score	211
Exons	107..547, 123..548, 545..706, 552..698		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o1.tw	Method	TBLASTX:Wheat
Start	260	End	880
GI	none	Score	67
Exons	260..880, 263..385, 372..830		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o3.tm	Method	TBLASTX:Maize

Start	755	End	1047
GI	none	Score	200
Exons	755..1045, 759..1046, 892..1047		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o2.ts	Method	TBLASTX:Soybean
Start	845	End	1100
GI	none	Score	149
Exons	845..1099, 846..1100		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o2.tw	Method	TBLASTX:Wheat
Start	893	End	1429
GI	none	Score	347
Exons	893..1429, 894..1385		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o2.tm	Method	TBLASTX:Maize
Start	1451	End	1814
GI	none	Score	178
Exons	1451..1813, 1460..1813, 1464..1814		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o3.tw	Method	TBLASTX:Wheat
Start	1460	End	1885
GI	none	Score	260
Exons	1460..1822, 1460..1885, 1464..1853		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o3.ts	Method	TBLASTX:Soybean
Start	1634	End	1879
GI	none	Score	92
Exons	1634..1879, 1635..1862		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o4.tm	Method	TBLASTX:Maize
Start	1820	End	2167
GI	none	Score	126
Exons	1820..2167, 1821..2162		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o4.tw	Method	TBLASTX:Wheat
Start	1886	End	2188

GI	none	Score	247
Exons	1886..2188, 1902..2186		

Seq. No.	22502	Seq. ID	OJ990325_09.9921.C10
Gene No.	46840	Strand	-
Start	1	End	2194
Name	OJ990325_09.9921.C10.o1.ts	Method	TBLASTX:Soybean
Start	1901	End	2191
GI	none	Score	189
Exons	1901..2191, 1902..2189		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o1.gs	Method	GENSCAN
Start	303	End	6660
GI	none	Score	.6
Exons	303..521, 888..1263, 1484..1995, 4123..4287, 5310..5512, 5557..5743, 5754..6107, 6529..6660		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o1.np	Method	AAT/NAP
Start	961	End	2232
GI	4680179	Score	551
Exons	961..1206, 1369..2232		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o1.tm	Method	TBLASTX:Maize
Start	1483	End	1746
GI	none	Score	67
Exons	1483..1746, 1643..1732		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o5.tw	Method	TBLASTX:Wheat
Start	1627	End	1986
GI	none	Score	134
Exons	1627..1986, 1691..1984		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o2.np	Method	AAT/NAP
Start	6445	End	9076
GI	6691191	Score	2033
Exons	6445..9076		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219

Name	OJ990325_09.9921.C12.o2.ts	Method	TBLASTX:Soybean
Start	6538	End	7026
GI	none	Score	125
Exons	6538..6627, 6637..7026, 6770..7024		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o3.tw	Method	TBLASTX:Wheat
Start	6634	End	7014
GI	none	Score	133
Exons	6634..7014, 6635..6955		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o3.ts	Method	TBLASTX:Soybean
Start	7027	End	7348
GI	none	Score	161
Exons	7027..7287, 7028..7285, 7319..7348, 7321..7347		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o6.tw	Method	TBLASTX:Wheat
Start	7039	End	7285
GI	none	Score	131
Exons	7039..7284, 7130..7285		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o2.gs	Method	GENSCAN
Start	7114	End	7748
GI	none	Score	.6
Exons	7114..7557, 7737..7748		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o1.tc	Method	TBLASTX:Cress
Start	7369	End	7671
GI	none	Score	79
Exons	7369..7671, 7370..7519, 7571..7657		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o4.tw	Method	TBLASTX:Wheat
Start	7465	End	7934
GI	none	Score	80
Exons	7465..7668, 7648..7722, 7734..7934, 7800..7931		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o5.ts	Method	TBLASTX:Soybean

Start	7788	End	7928
GI	none	Score	104
Exons	7788..7928, 7812..7928		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o1.tw	Method	TBLASTX:Wheat
Start	7961	End	8314
GI	none	Score	183
Exons	7961..8314, 8049..8291		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o4.ts	Method	TBLASTX:Soybean
Start	8039	End	8314
GI	none	Score	82
Exons	8039..8251, 8039..8314, 8058..8294		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o1.ts	Method	TBLASTX:Soybean
Start	8515	End	8926
GI	none	Score	49
Exons	8515..8622, 8527..8622, 8621..8926, 8622..8924		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o2.tw	Method	TBLASTX:Wheat
Start	8536	End	8926
GI	none	Score	148
Exons	8536..8622, 8621..8926, 8622..8924		

Seq. No.	22503	Seq. ID	OJ990325_09.9921.C12
Gene No.	46841	Strand	-
Start	303	End	9219
Name	OJ990325_09.9921.C12.o3.gs	Method	GENSCAN
Start	8579	End	9219
GI	none	Score	.98
Exons	8579..9219		

Seq. No.	22504	Seq. ID	OJ990325_09.9921.C13
Gene No.	46842	Strand	+
Start	239	End	951
Name	OJ990325_09.9921.C13.o1.gs	Method	GENSCAN
Start	239	End	951
GI	none	Score	.61
Exons	239..435, 507..951		

Seq. No.	22504	Seq. ID	OJ990325_09.9921.C13
Gene No.	46843	Strand	-
Start	1221	End	1556
Name	OJ990325_09.9921.C13.o2.gs	Method	GENSCAN
Start	1221	End	1556

GI	none	Score	.55
Exons	1221..1556		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46844	Strand	+
Start	72	End	376
Name	OJ990325_09.9921.C14.o1.gs	Method	GENSCAN
Start	72	End	376
GI	none	Score	.82
Exons	72..194, 227..376		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46845	Strand	+
Start	3480	End	5609
Name	OJ990325_09.9921.C14.o3.gs	Method	GENSCAN
Start	3480	End	5609
GI	none	Score	.57
Exons	3480..3554, 4239..4468, 4551..4830, 5139..5609		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46846	Strand	+
Start	12105	End	16155
Name	OJ990325_09.9921.C14.o3.np	Method	AAT/NAP
Start	12105	End	16155
GI	4680183	Score	112
Exons	12105..12137, 16066..16155		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46846	Strand	+
Start	12105	End	16155
Name	OJ990325_09.9921.C14.o1.gp	Method	AAT/GAP
Start	12855	End	13205
GI	61605_3.R1084	Score	420
Exons	12855..12883, 12933..13205		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46846	Strand	+
Start	12105	End	16155
Name	OJ990325_09.9921.C14.o5.gs	Method	GENSCAN
Start	13783	End	15175
GI	none	Score	.58
Exons	13783..13861, 14562..15175		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46847	Strand	+
Start	21983	End	23364
Name	OJ990325_09.9921.C14.o7.gs	Method	GENSCAN
Start	21983	End	23364
GI	none	Score	.46
Exons	21983..22305, 22705..22803, 22824..22914, 23041..23364		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46848	Strand	-
Start	657	End	2843

Name	OJ990325_09.9921.C14.o2.gs	Method	GENSCAN
Start	657	End	2843
GI	none	Score	.42
Exons	657..872, 1464..1747, 1752..1845, 2026..2340, 2472..2592, 2698..2843		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46849	Strand	-
Start	6175	End	11919
Name	OJ990325_09.9921.C14.o1.np	Method	AAT/NAP
Start	5896	End	11919
GI	5922631	Score	6410
Exons	5896..8412, 9019..9899, 10026..10177, 10208..10785, 10831..11033, 11292..11536, 11795..11919		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46849	Strand	-
Start	6175	End	11919
Name	OJ990325_09.9921.C14.o4.gs	Method	GENSCAN
Start	6175	End	11919
GI	none	Score	.81
Exons	6175..6749, 6860..7310, 7438..7788, 7964..8930, 9027..9281, 9314..9572, 9726..9872, 10026..10295, 10350..10525, 10571..11919		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46850	Strand	-
Start	13587	End	18397
Name	OJ990325_09.9921.C14.o2.np	Method	AAT/NAP
Start	13587	End	18397
GI	6063554	Score	342
Exons	13587..13762, 14409..14437, 14789..15006, 15123..15413, 18369..18397		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46850	Strand	-
Start	13587	End	18397
Name	OJ990325_09.9921.C14.o3.gp	Method	AAT/GAP
Start	14213	End	14942
GI	101153_1.R1084	Score	483
Exons	14213..14441, 14791..14942		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46851	Strand	-
Start	19652	End	20968
Name	OJ990325_09.9921.C14.o4.np	Method	AAT/NAP

Start	19652	End	20968
GI	6721561	Score	1050
Exons	19652..20413, 20494..20552, 20622..20812, 20902..20968		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46852	Strand	-
Start	21026	End	24348
Name	OJ990325_09.9921.C14.o6.np	Method	AAT/NAP
Start	21026	End	24348
GI	6721512	Score	75
Exons	21026..21055, 22513..22614, 22642..22748, 24273..24348		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o1.tm	Method	TBLASTX:Maize
Start	1335	End	2031
GI	none	Score	83
Exons	1335..1670, 1337..1438, 1338..1634, 1339..1671, 1666..2031, 1670..2023		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o2.ts	Method	TBLASTX:Soybean
Start	1371	End	2013
GI	none	Score	39
Exons	1371..1604, 1519..1611, 1623..1655, 1657..2013, 1676..2008		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o10.tw	Method	TBLASTX:Wheat
Start	1798	End	2214
GI	none	Score	80
Exons	1798..2034, 2062..2214		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o2.tm	Method	TBLASTX:Maize
Start	2146	End	2584
GI	none	Score	183
Exons	2146..2343, 2147..2335, 2149..2340, 2340..2582, 2341..2583, 2342..2584, 2342..2581, 2343..2582		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o1.ts	Method	TBLASTX:Soybean
Start	2386	End	2994

GI	5509260	Score	299
Exons	2386..2769, 2388..2768, 2778..2885, 2779..2886, 2888..2992, 2971..2994		
GI Descrip.	-		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o2.tw	Method	TBLASTX:Wheat
Start	2394	End	2867
GI	none	Score	212
Exons	2394..2744, 2406..2747, 2413..2745, 2778..2867		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o1.tc	Method	TBLASTX:Cress
Start	2505	End	2786
GI	none	Score	84
Exons	2505..2786, 2539..2784		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o4.tm	Method	TBLASTX:Maize
Start	2701	End	3053
GI	none	Score	206
Exons	2701..2886, 2703..2885, 2869..3015, 2870..3016, 2888..3016, 2892..3053		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o11.tw	Method	TBLASTX:Wheat
Start	3600	End	3890
GI	none	Score	208
Exons	3600..3890		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o4.tw	Method	TBLASTX:Wheat
Start	5872	End	6486
GI	none	Score	76
Exons	5872..6009, 5995..6486, 6224..6325, 6377..6466		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o7.tm	Method	TBLASTX:Maize
Start	5911	End	6165
GI	none	Score	87
Exons	5911..6012, 5939..6013, 5992..6165		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873

Name	OJ990325_09.9921.C14.o9.tm	Method	TBLASTX:Maize
Start	6256	End	6529
GI	none	Score	47
Exons	6256..6342, 6355..6435, 6365..6439, 6422..6529, 6430..6528		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o5.tw	Method	TBLASTX:Wheat
Start	6599	End	6987
GI	none	Score	56
Exons	6599..6646, 6601..6846, 6677..6847, 6837..6986, 6838..6987		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o3.tm	Method	TBLASTX:Maize
Start	6667	End	6993
GI	none	Score	153
Exons	6667..6843, 6668..6844, 6837..6992, 6838..6993		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o6.tw	Method	TBLASTX:Wheat
Start	7324	End	7716
GI	none	Score	219
Exons	7324..7716, 7370..7711		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o4.ts	Method	TBLASTX:Soybean
Start	7337	End	7725
GI	none	Score	143
Exons	7337..7717, 7339..7725		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o7.tw	Method	TBLASTX:Wheat
Start	7769	End	8186
GI	none	Score	77
Exons	7769..8182, 7998..8186		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o6.tm	Method	TBLASTX:Maize
Start	7841	End	8284
GI	none	Score	67
Exons	7841..7867, 7877..7996, 7877..8038, 8030..8284, 8031..8252, 8036..8257		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873

Name	OJ990325_09.9921.C14.o3.ts	Method	TBLASTX:Soybean
Start	7952	End	8344
GI	none	Score	110
Exons	7952..8344, 8178..8336, 8192..8341		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o1.tw	Method	TBLASTX:Wheat
Start	8228	End	8647
GI	none	Score	201
Exons	8228..8647, 8229..8645		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o8.tm	Method	TBLASTX:Maize
Start	8285	End	8512
GI	none	Score	62
Exons	8285..8512, 8289..8384, 8469..8510		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o5.tm	Method	TBLASTX:Maize
Start	8516	End	8872
GI	none	Score	196
Exons	8516..8872, 8526..8831		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o5.ts	Method	TBLASTX:Soybean
Start	8597	End	8962
GI	none	Score	128
Exons	8597..8731, 8738..8962		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o3.tw	Method	TBLASTX:Wheat
Start	8678	End	9037
GI	none	Score	248
Exons	8678..9037, 8679..9023, 8693..9031		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o8.tw	Method	TBLASTX:Wheat
Start	9235	End	9582
GI	none	Score	117
Exons	9235..9582, 9236..9529		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o9.tw	Method	TBLASTX:Wheat

Start	10201	End	10603
GI	none	Score	108
Exons	10201..10602, 10295..10603		

Seq. No.	22505	Seq. ID	OJ990325_09.9921.C14
Gene No.	46853	Strand	-
Start	24914	End	27873
Name	OJ990325_09.9921.C14.o7.np	Method	AAT/NAP
Start	24914	End	27873
GI	5042463	Score	138
Exons	24914..24943, 25476..25589, 25642..25797, 26455..26648, 27853..27873		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	22506	Seq. ID	OJ990325_09.9921.C15
Gene No.	46854	Strand	+
Start	177	End	6196
Name	OJ990325_09.9921.C15.o1.np	Method	AAT/NAP
Start	177	End	6196
GI	6063554	Score	383
Exons	177..245, 3384..3462, 3560..3740, 4022..4219, 5342..5374, 6022..6196		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22506	Seq. ID	OJ990325_09.9921.C15
Gene No.	46854	Strand	+
Start	177	End	6196
Name	OJ990325_09.9921.C15.o1.gs	Method	GENSCAN
Start	748	End	4670
GI	none	Score	.7
Exons	748..801, 1658..1774, 1863..2614, 3371..3544, 4071..4229, 4356..4427, 4541..4670		

Seq. No.	22506	Seq. ID	OJ990325_09.9921.C15
Gene No.	46855	Strand	-
Start	7577	End	8351
Name	OJ990325_09.9921.C15.o2.gs	Method	GENSCAN
Start	7577	End	8351
GI	none	Score	.69
Exons	7577..7729, 7816..8138, 8214..8351		

Seq. No.	22507	Seq. ID	OJ990325_09.9921.C17
Gene No.	46856	Strand	+
Start	1	End	176
Name	OJ990325_09.9921.C17.o1.np	Method	AAT/NAP
Start	1	End	176
GI	5852181	Score	114
Exons	1..176		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	22508	Seq. ID	OJ990325_09.9921.C19
Gene No.	46857	Strand	+
Start	1612	End	6388
Name	OJ990325_09.9921.C19.o2.gs	Method	GENSCAN
Start	1612	End	6388

GI	none	Score	.6
Exons	1612..1830, 2027..2239, 2604..2760, 3055..3119, 5969..6213, 6295..6388		

Seq. No.	22508	Seq. ID	OJ990325_09.9921.C19
Gene No.	46858	Strand	+
Start	7971	End	8527
Name	OJ990325_09.9921.C19.o3.gs	Method	GENSCAN
Start	7971	End	8527
GI	none	Score	.73
Exons	7971..8322, 8411..8527		

Seq. No.	22508	Seq. ID	OJ990325_09.9921.C19
Gene No.	46859	Strand	-
Start	3905	End	8542
Name	OJ990325_09.9921.C19.o2.np	Method	AAT/NAP
Start	3905	End	8542
GI	6063554	Score	230
Exons	3905..4085, 5683..5711, 6036..6234, 6496..6705, 8498..8542		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22509	Seq. ID	OJ990325_09.9921.C21
Gene No.	46860	Strand	-
Start	1	End	914
Name	OJ990325_09.9921.C21.o1.np	Method	AAT/NAP
Start	1	End	914
GI	2498930	Score	532
Exons	1..80, 556..914		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	22509	Seq. ID	OJ990325_09.9921.C21
Gene No.	46860	Strand	-
Start	1	End	914
Name	OJ990325_09.9921.C21.o1.gs	Method	GENSCAN
Start	388	End	862
GI	none	Score	.51
Exons	388..432, 487..862		

Seq. No.	22510	Seq. ID	OJ990325_09.9921.C22
Gene No.	46861	Strand	-
Start	178	End	237
Name	OJ990325_09.9921.C22.o1.np	Method	AAT/NAP
Start	178	End	237
GI	2498930	Score	36
Exons	178..237		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	22510	Seq. ID	OJ990325_09.9921.C22
Gene No.	46862	Strand	-
Start	178	End	237
Name	OJ990325_09.9921.C22.o1.gs	Method	GENSCAN
Start	178	End	237
GI	none	Score	.95

Exons	178..237		
Seq. No.	22511	Seq. ID	OJ990325_09.9921.C23
Gene No.	46863	Strand	+
Start	1	End	59
Name	OJ990325_09.9921.C23.o1.gp	Method	AAT/GAP
Start	1	End	59
GI	2799165	Score	88
Exons	1..59		
GI Descrip.	225174/prf||1210248A 2.0e-11 glutelin precursor [Oryza sativa]		
Seq. No.	22511	Seq. ID	OJ990325_09.9921.C23
Gene No.	46864	Strand	+
Start	317	End	1001
Name	OJ990325_09.9921.C23.o1.gs	Method	GENSCAN
Start	317	End	1001
GI	none	Score	.45
Exons	317..363, 787..1001		
Seq. No.	22511	Seq. ID	OJ990325_09.9921.C23
Gene No.	46865	Strand	-
Start	1	End	1143
Name	OJ990325_09.9921.C23.o1.np	Method	AAT/NAP
Start	1	End	1143
GI	1684629	Score	121
Exons	1..22, 1042..1143		
GI Descrip.	(Y09374) lacZ-PhoC [synthetic construct]		
Seq. No.	22511	Seq. ID	OJ990325_09.9921.C23
Gene No.	46865	Strand	-
Start	1	End	1143
Name	OJ990325_09.9921.C23.o2.gp	Method	AAT/GAP
Start	1004	End	1143
GI	2800481	Score	166
Exons	1004..1143		
GI Descrip.	4760545/dbj|BAA77333.1| 4.0e-17 (AB019492) IDN4-GGTR14 [Homo sapiens]		
Seq. No.	22512	Seq. ID	OJ990325_09.9921.C25
Gene No.	46866	Strand	+
Start	331	End	549
Name	OJ990325_09.9921.C25.o1.np	Method	AAT/NAP
Start	331	End	549
GI	4680186	Score	291
Exons	331..549		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	22512	Seq. ID	OJ990325_09.9921.C25
Gene No.	46867	Strand	-
Start	97	End	482
Name	OJ990325_09.9921.C25.o1.gp	Method	AAT/GAP
Start	97	End	482
GI	uC-osflcyp033a04b1	Score	637
Exons	97..482		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22513	Seq. ID	OJ990325_09.9921.C26
Gene No.	46868	Strand	+
Start	401	End	516
Name	OJ990325_09.9921.C26.o1.gs	Method	GENSCAN
Start	401	End	516
GI	none	Score	.8
Exons	401..516		

Seq. No.	22513	Seq. ID	OJ990325_09.9921.C26
Gene No.	46869	Strand	-
Start	1	End	795
Name	OJ990325_09.9921.C26.o1.np	Method	AAT/NAP
Start	1	End	795
GI	5852093	Score	67
Exons	1..21, 686..795		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	22514	Seq. ID	OJ990325_09.9921.C27
Gene No.	46870	Strand	+
Start	167	End	854
Name	OJ990325_09.9921.C27.o1.gs	Method	GENSCAN
Start	167	End	854
GI	none	Score	.5
Exons	167..252, 331..428, 534..656, 693..854		

Seq. No.	22515	Seq. ID	OJ990325_09.9921.C29
Gene No.	46871	Strand	-
Start	20	End	396
Name	OJ990325_09.9921.C29.o1.gs	Method	GENSCAN
Start	20	End	396
GI	none	Score	.7
Exons	20..324, 331..396		

Seq. No.	22516	Seq. ID	OJ990325_09.9921.C30
Gene No.	46872	Strand	+
Start	25	End	424
Name	OJ990325_09.9921.C30.o1.gs	Method	GENSCAN
Start	25	End	424
GI	none	Score	.71
Exons	25..63, 195..280, 370..424		

Seq. No.	22516	Seq. ID	OJ990325_09.9921.C30
Gene No.	46873	Strand	-
Start	1002	End	1951
Name	OJ990325_09.9921.C30.o2.gs	Method	GENSCAN
Start	1002	End	1951
GI	none	Score	.4
Exons	1002..1201, 1852..1951		

Seq. No.	22517	Seq. ID	OJ990325_09.9921.C31
Gene No.	46874	Strand	-
Start	1196	End	1408
Name	OJ990325_09.9921.C31.o1.gs	Method	GENSCAN
Start	1196	End	1408
GI	none	Score	.42
Exons	1196..1408		

Seq. No.	22518	Seq. ID	OJ990325_09.9921.C32
Gene No.	46875	Strand	+
Start	376	End	1139
Name	OJ990325_09.9921.C32.o1.gs	Method	GENSCAN
Start	376	End	1139
GI	none	Score	.5
Exons	376..470, 1019..1139		

Seq. No.	22519	Seq. ID	OJ990325_09.9921.C33
Gene No.	46876	Strand	-
Start	1	End	780
Name	OJ990325_09.9921.C33.o1.np	Method	AAT/NAP
Start	1	End	780
GI	5902444	Score	467
Exons	1..780		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	22519	Seq. ID	OJ990325_09.9921.C33
Gene No.	46876	Strand	-
Start	1	End	780
Name	OJ990325_09.9921.C33.o1.tw	Method	TBLASTX:Wheat
Start	2	End	292
GI	none	Score	80
Exons	2..73, 110..292, 111..284		

Seq. No.	22520	Seq. ID	OJ990325_09.9921.C34
Gene No.	46877	Strand	+
Start	1	End	773
Name	OJ990325_09.9921.C34.o1.np	Method	AAT/NAP
Start	1	End	773
GI	6498441	Score	489
Exons	1..203, 258..773		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22520	Seq. ID	OJ990325_09.9921.C34
Gene No.	46877	Strand	+
Start	1	End	773
Name	OJ990325_09.9921.C34.o1.gs	Method	GENSCAN
Start	62	End	707
GI	none	Score	.78
Exons	62..226, 395..560, 691..707		

Seq. No.	22520	Seq. ID	OJ990325_09.9921.C34
Gene No.	46877	Strand	+
Start	1	End	773
Name	OJ990325_09.9921.C34.o1.tw	Method	TBLASTX:Wheat
Start	350	End	773
GI	none	Score	131
Exons	350..487, 358..480, 470..772, 492..773		

Seq. No.	22520	Seq. ID	OJ990325_09.9921.C34
Gene No.	46877	Strand	+
Start	1	End	773
Name	OJ990325_09.9921.C34.o1.tm	Method	TBLASTX:Maize
Start	486	End	770

GI	none	Score	321
Exons	486..770, 542..748		

Seq. No.	22521	Seq. ID	OJ990325_09.9921.C35
Gene No.	46878	Strand	+
Start	1	End	599
Name	OJ990325_09.9921.C35.o1.np	Method	AAT/NAP
Start	1	End	599
GI	5902445	Score	363
Exons	1..319, 359..599		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	22521	Seq. ID	OJ990325_09.9921.C35
Gene No.	46878	Strand	+
Start	1	End	599
Name	OJ990325_09.9921.C35.o1.tw	Method	TBLASTX:Wheat
Start	12	End	317
GI	none	Score	192
Exons	12..317, 59..199		

Seq. No.	22521	Seq. ID	OJ990325_09.9921.C35
Gene No.	46878	Strand	+
Start	1	End	599
Name	OJ990325_09.9921.C35.o1.gs	Method	GENSCAN
Start	160	End	548
GI	none	Score	.48
Exons	160..548		

Seq. No.	22522	Seq. ID	OJ990325_09.9921.C36
Gene No.	46879	Strand	+
Start	183	End	608
Name	OJ990325_09.9921.C36.o1.gs	Method	GENSCAN
Start	183	End	608
GI	none	Score	.58
Exons	183..263, 345..476, 576..608		

Seq. No.	22523	Seq. ID	OJ990325_09.9921.C37
Gene No.	46880	Strand	+
Start	1	End	756
Name	OJ990325_09.9921.C37.o1.np	Method	AAT/NAP
Start	1	End	756
GI	6815072	Score	684
Exons	1..756		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	22523	Seq. ID	OJ990325_09.9921.C37
Gene No.	46880	Strand	+
Start	1	End	756
Name	OJ990325_09.9921.C37.o1.gs	Method	GENSCAN
Start	101	End	472
GI	none	Score	.55
Exons	101..472		

Seq. No.	22523	Seq. ID	OJ990325_09.9921.C37
Gene No.	46880	Strand	+
Start	1	End	756

Name	OJ990325_09.9921.C37.o1.tm	Method	TBLASTX:Maize
Start	437	End	754
GI	none	Score	234
Exons	437..754, 440..721, 454..726		

Seq. No.	22524	Seq. ID	OJ990325_09.9921.C40
Gene No.	46881	Strand	+
Start	1	End	585
Name	OJ990325_09.9921.C40.o1.np	Method	AAT/NAP
Start	1	End	585
GI	6815072	Score	441
Exons	1..400, 560..585		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	22524	Seq. ID	OJ990325_09.9921.C40
Gene No.	46881	Strand	+
Start	1	End	585
Name	OJ990325_09.9921.C40.o1.tw	Method	TBLASTX:Wheat
Start	40	End	383
GI	none	Score	193
Exons	40..291, 183..290, 288..383, 289..369		

Seq. No.	22524	Seq. ID	OJ990325_09.9921.C40
Gene No.	46881	Strand	+
Start	1	End	585
Name	OJ990325_09.9921.C40.o1.tm	Method	TBLASTX:Maize
Start	85	End	390
GI	none	Score	157
Exons	85..276, 174..275, 288..389, 289..390		

Seq. No.	22524	Seq. ID	OJ990325_09.9921.C40
Gene No.	46881	Strand	+
Start	1	End	585
Name	OJ990325_09.9921.C40.o1.gs	Method	GENSCAN
Start	97	End	400
GI	none	Score	.93
Exons	97..400		

Seq. No.	22525	Seq. ID	OJ990325_09.9921.C41
Gene No.	46882	Strand	-
Start	1	End	412
Name	OJ990325_09.9921.C41.o1.np	Method	AAT/NAP
Start	1	End	412
GI	4680179	Score	440
Exons	1..412		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22525	Seq. ID	OJ990325_09.9921.C41
Gene No.	46882	Strand	-
Start	1	End	412
Name	OJ990325_09.9921.C41.o1.gs	Method	GENSCAN
Start	89	End	310
GI	none	Score	.82
Exons	89..310		

Seq. No.	22526	Seq. ID	OJ990325_09.9921.C42

Gene No.	46883	Strand	-
Start	1	End	576
Name	OJ990325_09.9921.C42.o1.np	Method	AAT/NAP
Start	1	End	576
GI	6721561	Score	669
Exons	1..576		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22526	Seq. ID	OJ990325_09.9921.C42
Gene No.	46883	Strand	-
Start	1	End	576
Name	OJ990325_09.9921.C42.o1.gs	Method	GENSCAN
Start	50	End	355
GI	none	Score	.67
Exons	50..355		

Seq. No.	22527	Seq. ID	OJ990325_09.9921.C43
Gene No.	46884	Strand	-
Start	1	End	1299
Name	OJ990325_09.9921.C43.o2.np	Method	AAT/NAP
Start	1	End	628
GI	6721558	Score	123
Exons	1..71, 526..628		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	22527	Seq. ID	OJ990325_09.9921.C43
Gene No.	46884	Strand	-
Start	1	End	1299
Name	OJ990325_09.9921.C43.o1.gs	Method	GENSCAN
Start	104	End	1299
GI	none	Score	.65
Exons	104..223, 245..372, 529..669, 1213..1299		

Seq. No.	22528	Seq. ID	OJ990325_09.9921.C44
Gene No.	46885	Strand	+
Start	1	End	1702
Name	OJ990325_09.9921.C44.o1.np	Method	AAT/NAP
Start	1	End	1702
GI	6069646	Score	751
Exons	1..524, 1594..1702		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22528	Seq. ID	OJ990325_09.9921.C44
Gene No.	46885	Strand	+
Start	1	End	1702
Name	OJ990325_09.9921.C44.o2.np	Method	AAT/NAP
Start	1	End	1684

GI	4680186	Score	254
Exons	1..39, 584..637, 1479..1684		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	22528	Seq. ID	OJ990325_09.9921.C44
Gene No.	46886	Strand	-
Start	4	End	1613
Name	OJ990325_09.9921.C44.o1.gs	Method	GENSCAN
Start	4	End	1508
GI	none	Score	.57
Exons	4..416, 1276..1321, 1443..1508		

Seq. No.	22528	Seq. ID	OJ990325_09.9921.C44
Gene No.	46886	Strand	-
Start	4	End	1613
Name	OJ990325_09.9921.C44.o1.tm	Method	TBLASTX:Maize
Start	130	End	462
GI	none	Score	271
Exons	130..462, 249..374		

Seq. No.	22528	Seq. ID	OJ990325_09.9921.C44
Gene No.	46886	Strand	-
Start	4	End	1613
Name	OJ990325_09.9921.C44.o1.tw	Method	TBLASTX:Wheat
Start	223	End	417
GI	none	Score	197
Exons	223..417, 252..374		

Seq. No.	22528	Seq. ID	OJ990325_09.9921.C44
Gene No.	46886	Strand	-
Start	4	End	1613
Name	OJ990325_09.9921.C44.o1.gp	Method	AAT/GAP
Start	1228	End	1613
GI	uC-osflcyp033a04b1	Score	649
Exons	1228..1613		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	22529	Seq. ID	OJ990325_09.9921.C45
Gene No.	46887	Strand	-
Start	1	End	114
Name	OJ990325_09.9921.C45.o1.gp	Method	AAT/GAP
Start	1	End	114
GI	none	Score	224
Exons	1..114		

Seq. No.	22530	Seq. ID	OJ990325_09.9921.C47
Gene No.	46888	Strand	+
Start	127	End	237
Name	OJ990325_09.9921.C47.o1.gs	Method	GENSCAN
Start	127	End	237
GI	none	Score	.73
Exons	127..237		

Seq. No.	22531	Seq. ID	OJ990325_09.9921.C48
Gene No.	46889	Strand	+
Start	391	End	634

Name	OJ990325_09.9921.C48.o1.tm	Method	TBLASTX:Maize
Start	364	End	630
GI	none	Score	257
Exons	364..576, 374..589, 385..630, 522..623		

Seq. No.	22531	Seq. ID	OJ990325_09.9921.C48
Gene No.	46889	Strand	+
Start	391	End	634
Name	OJ990325_09.9921.C48.o1.np	Method	AAT/NAP
Start	391	End	634
GI	3157943	Score	100
Exons	391..634		
GI Descrip.	(AC002131) Contains similarity to BAP31 protein gb|X81816 from Mus musculus. [Arabidopsis thaliana]		

Seq. No.	22532	Seq. ID	OJ990325_09.9921.C50
Gene No.	46890	Strand	-
Start	245	End	463
Name	OJ990325_09.9921.C50.o1.gp	Method	AAT/GAP
Start	209	End	453
GI	40964_1.R1084	Score	436
Exons	209..453		
GI Descrip.	'5734768/gb|AAD50033.1|AC007651_28 5.0e-80 (AC007651) Hypothetical Protein [Arabidopsis thaliana]'		

Seq. No.	22532	Seq. ID	OJ990325_09.9921.C50
Gene No.	46890	Strand	-
Start	245	End	463
Name	OJ990325_09.9921.C50.o1.gs	Method	GENSCAN
Start	245	End	463
GI	none	Score	.79
Exons	245..463		

Seq. No.	22532	Seq. ID	OJ990325_09.9921.C50
Gene No.	46890	Strand	-
Start	245	End	463
Name	OJ990325_09.9921.C50.o1.tm	Method	TBLASTX:Maize
Start	310	End	457
GI	none	Score	75
Exons	310..375, 317..385, 333..377, 368..457, 373..453, 383..454		

Seq. No.	22532	Seq. ID	OJ990325_09.9921.C50
Gene No.	46890	Strand	-
Start	245	End	463
Name	OJ990325_09.9921.C50.o1.np	Method	AAT/NAP
Start	322	End	455
GI	5734768	Score	124
Exons	322..455		
GI Descrip.	(AC007651) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	22533	Seq. ID	OJ990325_09.9921.C51
Gene No.	46891	Strand	+
Start	1	End	286
Name	OJ990325_09.9921.C51.o1.np	Method	AAT/NAP
Start	1	End	286
GI	3522942	Score	56
Exons	1..43, 210..286		

GI Descrip. (AC004411) unknown protein [Arabidopsis thaliana]

Seq. No.	22533	Seq. ID	OJ990325_09.9921.C51
Gene No.	46891	Strand	+
Start	1	End	286
Name	OJ990325_09.9921.C51.o1.gs	Method	GENSCAN
Start	106	End	264
GI	none	Score	.76
Exons	106..264		

Seq. No.	22534	Seq. ID	OJ990325_09.9921.C52
Gene No.	46892	Strand	+
Start	292	End	484
Name	OJ990325_09.9921.C52.o1.gs	Method	GENSCAN
Start	292	End	484
GI	none	Score	.76
Exons	292..484		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46893	Strand	+
Start	110	End	3960
Name	OJ990515_23.9A07.C2.o1.gs	Method	GENSCAN
Start	110	End	3960
GI	none	Score	1
Exons	110..495, 1501..1660, 2007..2183, 3309..3390, 3521..3960		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46893	Strand	+
Start	110	End	3960
Name	OJ990515_23.9A07.C2.o1.np	Method	AAT/NAP
Start	110	End	3954
GI	2244806	Score	943
Exons	110..491, 1524..1660, 2007..2186, 2255..2374, 3516..3954		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46893	Strand	+
Start	110	End	3960
Name	OJ990515_23.9A07.C2.o1.gp	Method	AAT/GAP
Start	989	End	1440
GI	4879172	Score	804
Exons	989..1440		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46893	Strand	+
Start	110	End	3960
Name	OJ990515_23.9A07.C2.o2.gp	Method	AAT/GAP
Start	3323	End	3900
GI	3763435	Score	829
Exons	3323..3390, 3521..3900		
GI Descrip.	2244806/emb|CAB10229.1| 9.0e-28 (Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46894	Strand	+
Start	3994	End	4307
Name	OJ990515_23.9A07.C2.o3.gp	Method	AAT/GAP

Start	3994	End	4307
GI	3763436	Score	517
Exons	3994..4307		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46895	Strand	+
Start	4399	End	8166
Name	OJ990515_23.9A07.C2.o2.gs	Method	GENSCAN
Start	4399	End	8103
GI	none	Score	.79
Exons	4399..4481, 5067..5163, 6091..6128, 6247..6853, 6931..7435, 7553..8103		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46895	Strand	+
Start	4399	End	8166
Name	OJ990515_23.9A07.C2.o2.np	Method	AAT/NAP
Start	5909	End	8166
GI	3450842	Score	1267
Exons	5909..6001, 6091..6128, 6247..6853, 6931..7111, 7165..7429, 7553..7752, 7813..8166		
GI Descrip.	(AF080436) mitogen activated protein kinase kinase [Oryza sativa]		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46895	Strand	+
Start	4399	End	8166
Name	OJ990515_23.9A07.C2.o4.gp	Method	AAT/GAP
Start	7548	End	7888
GI	701181	Score	630
Exons	7548..7888		
GI Descrip.	3450842 1.0e-15 (AF080436) mitogen activated protein kinase kinase [Oryza sativa]		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46896	Strand	+
Start	8118	End	8622
Name	OJ990515_23.9A07.C2.o5.gp	Method	AAT/GAP
Start	8118	End	8622
GI	LIB3434-038-P1-K1-E8	Score	869
Exons	8118..8622		
GI Descrip.	'2244806/emb|CAB10229.1| 9.0e-28 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o3.tc	Method	TBLASTX:Cress
Start	98	End	385
GI	none	Score	242
Exons	98..313, 308..385		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o2.tm	Method	TBLASTX:Maize
Start	106	End	3965

GI	none	Score	426
Exons	106..267, 107..397, 334..372, 1499..1660, 1502..1675, 1509..1661, 1991..2182, 2001..2183, 2010..2183, 2272..2355, 2274..2369, 2276..2359, 2289..2369, 3306..3389, 3308..3388, 3511..3954, 3513..3965		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o2.ts	Method	TBLASTX:Soybean
Start	137	End	3750
GI	none	Score	118
Exons	137..256, 1565..1660, 2001..2183, 2010..2183, 2266..2355, 2276..2359, 3306..3389, 3308..3394, 3499..3750, 3555..3740		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o2.tc	Method	TBLASTX:Cress
Start	1577	End	3663
GI	none	Score	79
Exons	1577..1660, 2001..2183, 2010..2183, 2266..2355, 2276..2359, 3306..3389, 3308..3388, 3511..3663, 3519..3644		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o5.tc	Method	TBLASTX:Cress
Start	5966	End	6442
GI	none	Score	63
Exons	5966..6001, 5980..6000, 6088..6129, 6093..6128, 6248..6442, 6250..6294, 6272..6442		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o1.tm	Method	TBLASTX:Maize
Start	6247	End	6999
GI	none	Score	375
Exons	6247..6294, 6248..6661, 6272..6448, 6430..6639, 6692..6853, 6694..6852, 6930..6986, 6931..6999		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o1.ts	Method	TBLASTX:Soybean
Start	6247	End	6999
GI	none	Score	375
Exons	6247..6294, 6248..6661, 6272..6448, 6430..6639, 6692..6853, 6694..6852, 6930..6986, 6931..6999		

Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o1.tc	Method	TBLASTX:Cress
Start	6541	End	6856
GI	none	Score	457

Exons	6541..6639, 6542..6856, 6688..6855		
Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o4.tc	Method	TBLASTX:Cress
Start	6946	End	7947
GI	none	Score	65
Exons	6946..6999, 7339..7431, 7359..7430, 7552..7713, 7906..7947		
Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o3.ts	Method	TBLASTX:Soybean
Start	7354	End	7713
GI	none	Score	102
Exons	7354..7431, 7552..7713		
Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o4.tm	Method	TBLASTX:Maize
Start	7554	End	8052
GI	none	Score	197
Exons	7554..7712, 7555..7713, 7813..7872, 7827..7871, 7903..8052, 7905..8036, 7924..8052		
Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o6.gp	Method	AAT/GAP
Start	11634	End	12488
GI	568027	Score	770
Exons	11634..11877, 12326..12488		
Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o3.tm	Method	TBLASTX:Maize
Start	11748	End	13646
GI	none	Score	85
Exons	11748..11849, 11761..11886, 11765..11887, 12323..12391, 12327..12410, 12329..12388, 12439..12492, 12443..12508, 12446..12511, 12745..12849, 12747..12857, 12753..12851, 13362..13478, 13363..13482, 13364..13480, 13538..13642, 13542..13646, 13545..13640, 13549..13641, 13550..13642		
Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2
Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o3.gs	Method	GENSCAN
Start	11764	End	14985
GI	none	Score	.94
Exons	11764..11877, 12326..12509, 12746..12848, 13362..13479, 14090..14150, 14804..14985		
Seq. No.	22535	Seq. ID	OJ990515_23.9A07.C2

Gene No.	46897	Strand	-
Start	11764	End	14985
Name	OJ990515_23.9A07.C2.o3.np	Method	AAT/NAP
Start	11764	End	13639
GI	6225596	Score	98
Exons	11764..11868, 12326..12498, 12738..12848, 13362..13464, 13547..13639		
GI Descrip.	ATP-DEPENDENT DNA HELICASE II, 70 KD SUBUNIT (KU AUTOANTIGEN PROTEIN P70 HOMOLOG) (KU70) gi|3374509|dbj|BAA32018| (AB016529) Ku70 [Gallus gallus]		

Seq. No.	22536	Seq. ID	OJ990515_23.9A07.C3
Gene No.	46898	Strand	+
Start	109	End	982
Name	OJ990515_23.9A07.C3.o1.gs	Method	GENSCAN
Start	109	End	982
GI	none	Score	.71
Exons	109..186, 299..409, 968..982		

Seq. No.	22536	Seq. ID	OJ990515_23.9A07.C3
Gene No.	46899	Strand	-
Start	980	End	6786
Name	OJ990515_23.9A07.C3.o1.np	Method	AAT/NAP
Start	980	End	4878
GI	6225596	Score	99
Exons	980..1000, 2658..2838, 3077..3188, 3411..3556, 4136..4194, 4265..4348, 4467..4569, 4820..4878		
GI Descrip.	ATP-DEPENDENT DNA HELICASE II, 70 KD SUBUNIT (KU AUTOANTIGEN PROTEIN P70 HOMOLOG) (KU70) gi|3374509|dbj|BAA32018| (AB016529) Ku70 [Gallus gallus]		

Seq. No.	22536	Seq. ID	OJ990515_23.9A07.C3
Gene No.	46899	Strand	-
Start	980	End	6786
Name	OJ990515_23.9A07.C3.o2.gs	Method	GENSCAN
Start	2580	End	6786
GI	none	Score	.83
Exons	2580..2764, 3423..3556, 4185..4348, 4452..4569, 4820..4925, 5606..5720, 6223..6339, 6552..6701, 6724..6786		

Seq. No.	22536	Seq. ID	OJ990515_23.9A07.C3
Gene No.	46900	Strand	-
Start	7528	End	12155
Name	OJ990515_23.9A07.C3.o1.tm	Method	TBLASTX:Maize
Start	2691	End	4568
GI	none	Score	146
Exons	2691..2834, 2692..2838, 2692..2835, 2693..2836, 3063..3155, 3072..3155, 3076..3177, 3077..3157, 3275..3322, 3276..3323, 3419..3490, 3422..3556, 3427..3552, 3435..3560, 4135..4188, 4135..4194, 4263..4349, 4264..4353, 4264..4350, 4265..4351, 4452..4568, 4455..4565		

Seq. No.	22536	Seq. ID	OJ990515_23.9A07.C3
Gene No.	46900	Strand	-
Start	7528	End	12155
Name	OJ990515_23.9A07.C3.o3.gs	Method	GENSCAN
Start	7528	End	12155

GI	none	Score	.72
Exons	7528..8961, 9085..9535, 9917..9934, 10305..10388, 10415..10616, 11581..11647, 12105..12155		

Seq. No.	22536	Seq. ID	OJ990515_23.9A07.C3
Gene No.	46900	Strand	-
Start	7528	End	12155
Name	OJ990515_23.9A07.C3.o2.np	Method	AAT/NAP
Start	7563	End	8544
GI	2980893	Score	441
Exons	7563..8168, 8302..8544		
GI Descrip.	(D87065) histone H1 [Triticum aestivum]		

Seq. No.	22536	Seq. ID	OJ990515_23.9A07.C3
Gene No.	46900	Strand	-
Start	7528	End	12155
Name	OJ990515_23.9A07.C3.o1.gp	Method	AAT/GAP
Start	7635	End	8643
GI	6443_2.R1084	Score	1170
Exons	7635..7676, 7876..8168, 8302..8643		
GI Descrip.	'121950/sp|P23444|H1_MAIZE 2.0e-12 HISTONE H1 >gi_22321_emb_CAA40362_ (X57077) H1 histone [Zea mays]'		

Seq. No.	22537	Seq. ID	OJ990515_23.9A07.C4
Gene No.	46901	Strand	+
Start	139	End	764
Name	OJ990515_23.9A07.C4.o1.gs	Method	GENSCAN
Start	139	End	764
GI	none	Score	.69
Exons	139..209, 473..764		

Seq. No.	22538	Seq. ID	OJ990515_23.9A07.C5
Gene No.	46902	Strand	-
Start	1	End	445
Name	OJ990515_23.9A07.C5.o1.np	Method	AAT/NAP
Start	1	End	445
GI	5734635	Score	152
Exons	1..445		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	22538	Seq. ID	OJ990515_23.9A07.C5
Gene No.	46902	Strand	-
Start	1	End	445
Name	OJ990515_23.9A07.C5.o1.gs	Method	GENSCAN
Start	66	End	162
GI	none	Score	.55
Exons	66..162		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o1.np	Method	AAT/NAP
Start	1	End	2557
GI	3132825	Score	2287
Exons	1..29, 148..312, 397..592, 683..794, 882..1029, 1144..1341, 1437..1715, 1811..1972, 2071..2289, 2403..2557		
GI Descrip.	(AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o1.tc	Method	TBLASTX:Cress
Start	145	End	2531
GI	none	Score	131
Exons	145..315, 150..314, 388..597, 519..593, 670..795, 672..791, 682..792, 876..1028, 880..1029, 880..1029, 890..1033, 1140..1346, 1141..1347, 1144..1344, 1434..1694, 1436..1558, 1436..1702, 1437..1703, 1804..2028, 1808..1975, 1999..2289, 2070..2288, 2102..2290, 2104..2307, 2123..2305, 2394..2477, 2399..2479, 2400..2531, 2401..2478, 2402..2515		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o1.gs	Method	GENSCAN
Start	148	End	2537
GI	none	Score	.85
Exons	148..312, 397..592, 683..794, 882..1029, 1437..1715, 1811..1972, 2041..2161, 2204..2289, 2403..2537		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o2.tm	Method	TBLASTX:Maize
Start	181	End	811
GI	none	Score	173
Exons	181..315, 182..301, 388..453, 391..441, 438..602, 439..603, 670..795, 681..794, 683..811		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o1.ts	Method	TBLASTX:Soybean
Start	703	End	1522
GI	none	Score	135
Exons	703..795, 705..800, 876..1025, 880..1029, 880..1029, 1143..1334, 1144..1344, 1145..1342, 1433..1522, 1437..1517		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o1.tm	Method	TBLASTX:Maize
Start	882	End	2534
GI	none	Score	228
Exons	882..1028, 883..1029, 883..1029, 1132..1341, 1144..1344, 1436..1714, 1437..1703, 1697..1972, 1805..1975, 1810..2022, 2068..2289, 2070..2291, 2070..2285, 2089..2310, 2399..2521, 2400..2534, 2400..2522		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o3.ts	Method	TBLASTX:Soybean
Start	1527	End	1918

GI	none	Score	226
Exons	1527..1703, 1529..1696, 1805..1858, 1805..1873, 1835..1918, 1868..1918		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o2.ts	Method	TBLASTX:Soybean
Start	1949	End	2267
GI	none	Score	43
Exons	1949..1975, 2068..2265, 2068..2259, 2073..2267		

Seq. No.	22539	Seq. ID	OJ990515_23.9A07.C6
Gene No.	46903	Strand	+
Start	1	End	2566
Name	OJ990515_23.9A07.C6.o1.tw	Method	TBLASTX:Wheat
Start	2086	End	2566
GI	none	Score	371
Exons	2086..2307, 2095..2289, 2400..2528, 2402..2566, 2402..2524		

Seq. No.	22540	Seq. ID	OJ990515_23.9A07.C7
Gene No.	46904	Strand	+
Start	1896	End	3506
Name	OJ990515_23.9A07.C7.o1.gs	Method	GENSCAN
Start	1896	End	3506
GI	none	Score	.94
Exons	1896..3506		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46905	Strand	+
Start	4055	End	5503
Name	OJ990515_23.9A07.C8.o2.gs	Method	GENSCAN
Start	4055	End	5503
GI	none	Score	.98
Exons	4055..5056, 5282..5503		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46906	Strand	+
Start	6976	End	9926
Name	OJ990515_23.9A07.C8.o3.gs	Method	GENSCAN
Start	6976	End	9926
GI	none	Score	.72
Exons	6976..7965, 8054..8117, 8168..8185, 8329..8453, 8518..9294, 9477..9764, 9828..9926		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46907	Strand	+
Start	11619	End	12849
Name	OJ990515_23.9A07.C8.o4.gs	Method	GENSCAN
Start	11619	End	12849
GI	none	Score	.54
Exons	11619..11909, 12112..12303, 12336..12397, 12630..12849		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46908	Strand	+
Start	18018	End	19371
Name	OJ990515_23.9A07.C8.o6.gs	Method	GENSCAN

Start	18018	End	19371
GI	none	Score	.78
Exons	18018..18309, 18824..19371		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46909	Strand	+
Start	19820	End	20641
Name	OJ990515_23.9A07.C8.o7.gs	Method	GENSCAN
Start	19820	End	20641
GI	none	Score	.61
Exons	19820..19886, 20298..20641		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46910	Strand	+
Start	24249	End	25144
Name	OJ990515_23.9A07.C8.o9.gs	Method	GENSCAN
Start	24249	End	25144
GI	none	Score	.47
Exons	24249..24317, 25046..25144		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46911	Strand	+
Start	28131	End	28886
Name	OJ990515_23.9A07.C8.o11.gs	Method	GENSCAN
Start	28131	End	28886
GI	none	Score	.65
Exons	28131..28173, 28693..28761, 28834..28886		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46912	Strand	+
Start	31694	End	34700
Name	OJ990515_23.9A07.C8.o13.gs	Method	GENSCAN
Start	31694	End	34700
GI	none	Score	.97
Exons	31694..31745, 32250..32380, 32807..32976, 33392..34700		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46913	Strand	+
Start	45332	End	45810
Name	OJ990515_23.9A07.C8.o2.gp	Method	AAT/GAP
Start	45332	End	45810
GI	LIB3432-056-P1-K1-E1	Score	934
Exons	45332..45810		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 6.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46914	Strand	+
Start	45886	End	46134
Name	OJ990515_23.9A07.C8.o18.gs	Method	GENSCAN
Start	45886	End	46134
GI	none	Score	.62
Exons	45886..45921, 45973..46134		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46915	Strand	+
Start	46563	End	50335

Name	OJ990515_23.9A07.C8.o19.gs	Method	GENSCAN
Start	46563	End	49912
GI	none	Score	.96
Exons	46563..46748, 46833..47039, 47138..47812, 47819..49186, 49214..49912		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46915	Strand	+
Start	46563	End	50335
Name	OJ990515_23.9A07.C8.o6.np	Method	AAT/NAP
Start	46922	End	50335
GI	6466937	Score	1586
Exons	46922..47496, 47532..50092, 50304..50335		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46916	Strand	-
Start	1	End	3406
Name	OJ990515_23.9A07.C8.o1.np	Method	AAT/NAP
Start	1	End	2115
GI	6573757	Score	144
Exons	1..22, 1432..2115		
GI Descrip.	(AC009243) F28K19.6 [Arabidopsis thaliana]		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46916	Strand	-
Start	1	End	3406
Name	OJ990515_23.9A07.C8.o1.gs	Method	GENSCAN
Start	759	End	3406
GI	none	Score	.55
Exons	759..947, 1179..1795, 1888..2197, 2413..2680, 2847..3406		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46917	Strand	-
Start	13955	End	17863
Name	OJ990515_23.9A07.C8.o5.gs	Method	GENSCAN
Start	13955	End	17770
GI	none	Score	.75
Exons	13955..17770		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46917	Strand	-
Start	13955	End	17863
Name	OJ990515_23.9A07.C8.o2.np	Method	AAT/NAP
Start	13958	End	17863
GI	6539553	Score	6729
Exons	13958..17863		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46918	Strand	-
Start	20948	End	27597
Name	OJ990515_23.9A07.C8.o8.gs	Method	GENSCAN

Start	20948	End	21778
GI	none	Score	.93
Exons	20948..21102, 21766..21778		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46918	Strand	-
Start	20948	End	27597
Name	OJ990515_23.9A07.C8.o3.np	Method	AAT/NAP
Start	21644	End	27597
GI	6815072	Score	567
Exons	21644..21670, 23171..23856, 27561..27597		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46918	Strand	-
Start	20948	End	27597
Name	OJ990515_23.9A07.C8.o10.gs	Method	GENSCAN
Start	25888	End	27062
GI	none	Score	.79
Exons	25888..26567, 26591..27062		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46919	Strand	-
Start	29331	End	31230
Name	OJ990515_23.9A07.C8.o12.gs	Method	GENSCAN
Start	29331	End	31230
GI	none	Score	.68
Exons	29331..29339, 30376..30492, 30553..30669, 30716..30966, 31132..31171, 31177..31230		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46920	Strand	-
Start	35005	End	36216
Name	OJ990515_23.9A07.C8.o14.gs	Method	GENSCAN
Start	35005	End	36216
GI	none	Score	.87
Exons	35005..36216		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46920	Strand	-
Start	35005	End	36216
Name	OJ990515_23.9A07.C8.o4.np	Method	AAT/NAP
Start	35008	End	36000
GI	4680492	Score	1725
Exons	35008..36000		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46921	Strand	-
Start	37989	End	40589
Name	OJ990515_23.9A07.C8.o15.gs	Method	GENSCAN
Start	37989	End	39246
GI	none	Score	.68
Exons	37989..38130, 38187..38270, 38376..38452, 38545..38574, 39157..39246		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46921	Strand	-
Start	37989	End	40589
Name	OJ990515_23.9A07.C8.o5.np	Method	AAT/NAP
Start	38698	End	40589
GI	6907086	Score	1327
Exons	38698..38837, 38962..39182, 39233..39296, 39532..39754, 39815..40589		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o2.tw	Method	TBLASTX:Wheat
Start	14094	End	14570
GI	none	Score	353
Exons	14094..14480, 14132..14479, 14173..14481, 14495..14569, 14499..14570		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o5.ts	Method	TBLASTX:Soybean
Start	14222	End	14563
GI	none	Score	83
Exons	14222..14431, 14301..14426, 14450..14563, 14457..14537		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o7.tm	Method	TBLASTX:Maize
Start	14426	End	14765
GI	none	Score	194
Exons	14426..14764, 14427..14765		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o3.ts	Method	TBLASTX:Soybean
Start	14576	End	14921
GI	none	Score	123
Exons	14576..14920, 14721..14921		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o3.tw	Method	TBLASTX:Wheat
Start	14774	End	15319
GI	none	Score	48
Exons	14774..14980, 14784..14906, 14975..15319, 14999..15172		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o5.tm	Method	TBLASTX:Maize
Start	14855	End	15320
GI	none	Score	52

Exons	14855..15319, 14970..15068, 15002..15184, 15138..15320		
Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o1.ts	Method	TBLASTX:Soybean
Start	14990	End	15454
GI	5509260	Score	58
Exons	14990..15454, 15009..15068, 15141..15236		
GI Descrip.	-		
Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o1.tc	Method	TBLASTX:Cress
Start	15101	End	15361
GI	none	Score	279
Exons	15101..15361		
Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o1.tw	Method	TBLASTX:Wheat
Start	15374	End	16129
GI	none	Score	200
Exons	15374..15613, 15375..15533, 15391..15621, 15394..15591, 15642..16121, 15665..16129		
Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o4.ts	Method	TBLASTX:Soybean
Start	15779	End	16177
GI	none	Score	38
Exons	15779..15952, 15906..15944, 15953..16177, 15999..16169		
Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o8.tm	Method	TBLASTX:Maize
Start	15965	End	16399
GI	none	Score	84
Exons	15965..16399, 15990..16190		
Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o7.tw	Method	TBLASTX:Wheat
Start	16130	End	16322
GI	none	Score	186
Exons	16130..16321, 16130..16321, 16131..16322		
Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o6.ts	Method	TBLASTX:Soybean
Start	16187	End	16573

GI	none	Score	88
Exons	16187..16435, 16418..16573		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o4.tm	Method	TBLASTX:Maize
Start	16600	End	16922
GI	none	Score	375
Exons	16600..16767, 16602..16895, 16604..16915, 16668..16922		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o6.tm	Method	TBLASTX:Maize
Start	17421	End	17734
GI	none	Score	287
Exons	17421..17726, 17423..17734		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o5.tw	Method	TBLASTX:Wheat
Start	17483	End	17869
GI	none	Score	248
Exons	17483..17869, 17484..17858		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o10.tm	Method	TBLASTX:Maize
Start	23455	End	23839
GI	none	Score	106
Exons	23455..23730, 23549..23710, 23554..23712, 23741..23824, 23745..23825, 23747..23839		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o3.tm	Method	TBLASTX:Maize
Start	43436	End	44151
GI	none	Score	35
Exons	43436..43654, 43638..43661, 43725..43772, 43765..44151, 43766..43999		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o9.tw	Method	TBLASTX:Wheat
Start	43894	End	44229
GI	none	Score	62
Exons	43894..43971, 44020..44229, 44021..44167		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o8.ts	Method	TBLASTX:Soybean

Start	44017	End	44265
GI	none	Score	186
Exons	44017..44265		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o8.tw	Method	TBLASTX:Wheat
Start	44920	End	45219
GI	none	Score	210
Exons	44920..45219		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o4.tw	Method	TBLASTX:Wheat
Start	48308	End	48790
GI	none	Score	380
Exons	48308..48790, 48412..48729		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o7.ts	Method	TBLASTX:Soybean
Start	48344	End	48658
GI	none	Score	204
Exons	48344..48658		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o2.tm	Method	TBLASTX:Maize
Start	48365	End	48844
GI	none	Score	443
Exons	48365..48844, 48409..48813		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o2.ts	Method	TBLASTX:Soybean
Start	48767	End	49117
GI	none	Score	337
Exons	48767..49117		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o6.tw	Method	TBLASTX:Wheat
Start	48839	End	49237
GI	none	Score	241
Exons	48839..49117, 49121..49237		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o1.tm	Method	TBLASTX:Maize
Start	48917	End	49336

GI	none	Score	499
Exons	48917..49336, 48928..49005, 49069..49302		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o9.ts	Method	TBLASTX:Soybean
Start	49148	End	49393
GI	none	Score	186
Exons	49148..49393		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o9.tm	Method	TBLASTX:Maize
Start	49451	End	49840
GI	none	Score	270
Exons	49451..49840, 49492..49569, 49678..49824		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o11.tm	Method	TBLASTX:Maize
Start	49873	End	50053
GI	none	Score	232
Exons	49873..50052, 49874..50053		

Seq. No.	22541	Seq. ID	OJ990515_23.9A07.C8
Gene No.	46922	Strand	-
Start	50242	End	50335
Name	OJ990515_23.9A07.C8.o7.np	Method	AAT/NAP
Start	50242	End	50335
GI	6907086	Score	95
Exons	50242..50335		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46923	Strand	+
Start	1	End	4521
Name	OJ990515_23.9A07.C9.o1.np	Method	AAT/NAP
Start	1	End	4026
GI	5777623	Score	843
Exons	1..232, 492..536, 729..1319, 2155..2398, 3958..4026		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46923	Strand	+
Start	1	End	4521
Name	OJ990515_23.9A07.C9.o1.gs	Method	GENSCAN
Start	88	End	270
GI	none	Score	.97
Exons	88..270		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46923	Strand	+
Start	1	End	4521
Name	OJ990515_23.9A07.C9.o2.np	Method	AAT/NAP

Start	3476	End	4521
GI	6466937	Score	602
Exons	3476..4521		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46923	Strand	+
Start	1	End	4521
Name	OJ990515_23.9A07.C9.o3.gs	Method	GENSCAN
Start	3499	End	4497
GI	none	Score	.87
Exons	3499..4497		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46924	Strand	+
Start	5609	End	5932
Name	OJ990515_23.9A07.C9.o3.np	Method	AAT/NAP
Start	5609	End	5932
GI	6069646	Score	90
Exons	5609..5932		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46925	Strand	+
Start	7610	End	8986
Name	OJ990515_23.9A07.C9.o4.gs	Method	GENSCAN
Start	7610	End	8986
GI	none	Score	.99
Exons	7610..8986		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46926	Strand	+
Start	11793	End	14298
Name	OJ990515_23.9A07.C9.o5.np	Method	AAT/NAP
Start	11793	End	14298
GI	4567258	Score	76
Exons	11793..11822, 13099..13277, 14257..14298		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46927	Strand	-
Start	838	End	1413
Name	OJ990515_23.9A07.C9.o2.gs	Method	GENSCAN
Start	838	End	1413
GI	none	Score	.97
Exons	838..1413		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o2.tm	Method	TBLASTX:Maize
Start	3478	End	3822

GI	none	Score	310
Exons	3478..3822, 3501..3821		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o2.tw	Method	TBLASTX:Wheat
Start	3487	End	4023
GI	none	Score	312
Exons	3487..4023		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o3.tm	Method	TBLASTX:Maize
Start	4120	End	4491
GI	none	Score	280
Exons	4120..4491, 4122..4448, 4249..4482		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o5.gs	Method	GENSCAN
Start	9630	End	14018
GI	none	Score	.74
Exons	9630..9701, 10217..10314, 10776..10971, 12015..12072, 12205..12359, 12838..12861, 13123..13245, 13289..13372, 13721..14018		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o1.gp	Method	AAT/GAP
Start	10502	End	12508
GI	392_1.R1084	Score	1284
Exons	10502..10971, 12015..12072, 12205..12359, 12442..12508		
GI Descrip.	'2982268 4.0e-70 (AF051217) probable 40S ribosomal protein S15 [Picea mariana]'		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o1.tm	Method	TBLASTX:Maize
Start	10606	End	12359
GI	none	Score	59
Exons	10606..10665, 10607..10645, 10708..10971, 10717..10971, 10724..10987, 10931..10972, 12014..12073, 12015..12077, 12015..12074, 12163..12318, 12204..12329, 12222..12329, 12309..12359, 12324..12359		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o1.tw	Method	TBLASTX:Wheat
Start	10699	End	12359
GI	none	Score	59
Exons	10699..10971, 10710..10766, 10711..10971, 10721..10987,		

12014..12073, 12015..12077, 12202..12321, 12204..12359, 12222..12359

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o1.ts	Method	TBLASTX:Soybean
Start	10711	End	12377
GI	none	Score	202
Exons	10711..10971, 10723..10977, 10724..10987, 12010..12075, 12015..12074, 12202..12321, 12225..12377		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o1.tc	Method	TBLASTX:Cress
Start	10723	End	12350
GI	none	Score	376
Exons	10723..10971, 10724..11002, 12010..12075, 12015..12074, 12192..12317, 12225..12350		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o4.np	Method	AAT/NAP
Start	10726	End	12362
GI	401043	Score	681
Exons	10726..10971, 12015..12072, 12205..12362		
GI Descrip.	40S RIBOSOMAL PROTEIN S15 gi|218131|dbj|BAA01746| (D10962) unnamed protein product [Oryza sativa]		

Seq. No.	22542	Seq. ID	OJ990515_23.9A07.C9
Gene No.	46928	Strand	-
Start	9630	End	14059
Name	OJ990515_23.9A07.C9.o6.np	Method	AAT/NAP
Start	12577	End	14059
GI	6721516	Score	136
Exons	12577..12607, 13741..14059		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22543	Seq. ID	OJ990515_23.9A07.C10
Gene No.	46929	Strand	+
Start	86	End	446
Name	OJ990515_23.9A07.C10.o1.gs	Method	GENSCAN
Start	86	End	446
GI	none	Score	.48
Exons	86..446		

Seq. No.	22543	Seq. ID	OJ990515_23.9A07.C10
Gene No.	46930	Strand	+
Start	6368	End	8134
Name	OJ990515_23.9A07.C10.o1.gp	Method	AAT/GAP
Start	6368	End	8134
GI	286923	Score	837
Exons	6368..6501, 7644..7777, 7920..8134		

Seq. No.	22543	Seq. ID	OJ990515_23.9A07.C10

Gene No.	46931	Strand	-
Start	690	End	1021
Name	OJ990515_23.9A07.C10.o1.np	Method	AAT/NAP
Start	690	End	1021
GI	5777624	Score	160
Exons	690..1021		
GI Descrip.	(AJ245900) CAA303712.1 protein [Oryza sativa]		

Seq. No.	22543	Seq. ID	OJ990515_23.9A07.C10
Gene No.	46932	Strand	-
Start	6838	End	7437
Name	OJ990515_23.9A07.C10.o3.np	Method	AAT/NAP
Start	6838	End	7437
GI	6016874	Score	59
Exons	6838..7058, 7294..7437		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	22544	Seq. ID	OJ990515_23.9A07.C11
Gene No.	46933	Strand	+
Start	1	End	722
Name	OJ990515_23.9A07.C11.o1.np	Method	AAT/NAP
Start	1	End	722
GI	132672	Score	160
Exons	1..27, 553..722		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	22544	Seq. ID	OJ990515_23.9A07.C11
Gene No.	46933	Strand	+
Start	1	End	722
Name	OJ990515_23.9A07.C11.o1.gs	Method	GENSCAN
Start	290	End	455
GI	none	Score	.98
Exons	290..455		

Seq. No.	22544	Seq. ID	OJ990515_23.9A07.C11
Gene No.	46934	Strand	+
Start	1356	End	1496
Name	OJ990515_23.9A07.C11.o2.gs	Method	GENSCAN
Start	1356	End	1496
GI	none	Score	.69
Exons	1356..1496		

Seq. No.	22544	Seq. ID	OJ990515_23.9A07.C11
Gene No.	46935	Strand	-
Start	210	End	522
Name	OJ990515_23.9A07.C11.o1.gp	Method	AAT/GAP
Start	210	End	522
GI	77434_1.R1084	Score	98
Exons	210..270, 498..522		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	22544	Seq. ID	OJ990515_23.9A07.C11
Gene No.	46936	Strand	-
Start	557	End	723
Name	OJ990515_23.9A07.C11.o2.gp	Method	AAT/GAP
Start	557	End	723
GI	481_1.R1084	Score	220
Exons	557..723		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	22545	Seq. ID	OJ990515_23.9A07.C13
Gene No.	46937	Strand	-
Start	1	End	639
Name	OJ990515_23.9A07.C13.o1.np	Method	AAT/NAP
Start	1	End	639
GI	2498930	Score	734
Exons	1..408, 576..639		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	22545	Seq. ID	OJ990515_23.9A07.C13
Gene No.	46937	Strand	-
Start	1	End	639
Name	OJ990515_23.9A07.C13.o1.gs	Method	GENSCAN
Start	14	End	635
GI	none	Score	1
Exons	14..408, 576..635		

Seq. No.	22546	Seq. ID	OJ990415_11.9A07.C1
Gene No.	46938	Strand	-
Start	166	End	598
Name	OJ990415_11.9A07.C1.o1.gs	Method	GENSCAN
Start	166	End	598
GI	none	Score	.9
Exons	166..245, 349..474, 548..598		

Seq. No.	22547	Seq. ID	OJ990415_11.9A07.C3
Gene No.	46939	Strand	-
Start	1	End	514
Name	OJ990415_11.9A07.C3.o1.np	Method	AAT/NAP
Start	1	End	514
GI	6721561	Score	90
Exons	1..61, 408..514		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22548	Seq. ID	OJ990415_11.9A07.C5
Gene No.	46940	Strand	-
Start	385	End	609
Name	OJ990415_11.9A07.C5.o1.gs	Method	GENSCAN
Start	385	End	609

GI	none	Score	.74
Exons	385..609		

Seq. No.	22549	Seq. ID	OJ990415_11.9A07.C7
Gene No.	46941	Strand	-
Start	107	End	656
Name	OJ990415_11.9A07.C7.o1.gs	Method	GENSCAN
Start	107	End	607
GI	none	Score	1
Exons	107..607		

Seq. No.	22549	Seq. ID	OJ990415_11.9A07.C7
Gene No.	46941	Strand	-
Start	107	End	656
Name	OJ990415_11.9A07.C7.o1.np	Method	AAT/NAP
Start	107	End	656
GI	285741	Score	439
Exons	107..656		
GI Descrip.	(D14550) EDGP precursor [Daucus carota]		

Seq. No.	22549	Seq. ID	OJ990415_11.9A07.C7
Gene No.	46941	Strand	-
Start	107	End	656
Name	OJ990415_11.9A07.C7.o1.tc	Method	TBLASTX:Cress
Start	119	End	566
GI	none	Score	137
Exons	119..238, 221..466, 222..443, 450..566, 455..553		

Seq. No.	22549	Seq. ID	OJ990415_11.9A07.C7
Gene No.	46941	Strand	-
Start	107	End	656
Name	OJ990415_11.9A07.C7.o1.ts	Method	TBLASTX:Soybean
Start	119	End	653
GI	none	Score	130
Exons	119..238, 219..443, 299..469, 470..652, 474..653		

Seq. No.	22550	Seq. ID	OJ990415_11.9A07.C8
Gene No.	46942	Strand	+
Start	1	End	659
Name	OJ990415_11.9A07.C8.o1.np	Method	AAT/NAP
Start	1	End	659
GI	2827551	Score	83
Exons	1..79, 504..659		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	22551	Seq. ID	OJ990415_11.9A07.C9
Gene No.	46943	Strand	-
Start	405	End	920
Name	OJ990415_11.9A07.C9.o1.gs	Method	GENSCAN
Start	405	End	824
GI	none	Score	.86
Exons	405..824		

Seq. No.	22551	Seq. ID	OJ990415_11.9A07.C9
Gene No.	46943	Strand	-
Start	405	End	920
Name	OJ990415_11.9A07.C9.o1.np	Method	AAT/NAP

Start	405	End	920
GI	285741	Score	394
Exons	405..920		
GI Descrip.	(D14550) EDGP precursor [Daucus carota]		

Seq. No.	22551	Seq. ID	OJ990415_11.9A07.C9
Gene No.	46943	Strand	-
Start	405	End	920
Name	OJ990415_11.9A07.C9.o1.tc	Method	TBLASTX:Cress
Start	414	End	851
GI	none	Score	178
Exons	414..761, 517..762, 750..851		

Seq. No.	22551	Seq. ID	OJ990415_11.9A07.C9
Gene No.	46943	Strand	-
Start	405	End	920
Name	OJ990415_11.9A07.C9.o1.ts	Method	TBLASTX:Soybean
Start	414	End	848
GI	none	Score	62
Exons	414..584, 517..585, 582..764, 583..804, 765..848		

Seq. No.	22552	Seq. ID	OJ990415_11.9A07.C10
Gene No.	46944	Strand	+
Start	161	End	235
Name	OJ990415_11.9A07.C10.o1.gs	Method	GENSCAN
Start	161	End	235
GI	none	Score	.47
Exons	161..235		

Seq. No.	22553	Seq. ID	OJ990415_11.9A07.C11
Gene No.	46945	Strand	+
Start	119	End	598
Name	OJ990415_11.9A07.C11.o1.gs	Method	GENSCAN
Start	119	End	598
GI	none	Score	.6
Exons	119..598		

Seq. No.	22554	Seq. ID	OJ990415_11.9A07.C12
Gene No.	46946	Strand	-
Start	1129	End	1219
Name	OJ990415_11.9A07.C12.o1.gs	Method	GENSCAN
Start	1129	End	1219
GI	none	Score	.99
Exons	1129..1219		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46947	Strand	+
Start	165	End	9700
Name	OJ990415_11.9A07.C13.o1.gs	Method	GENSCAN
Start	165	End	5025
GI	none	Score	.69
Exons	165..316, 2773..2967, 4510..5025		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46947	Strand	+
Start	165	End	9700
Name	OJ990415_11.9A07.C13.o1.np	Method	AAT/NAP

Start	4520	End	7087
GI	2827551	Score	261
Exons	4520..4939, 7070..7087		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46947	Strand	+
Start	165	End	9700
Name	OJ990415_11.9A07.C13.o1.gp	Method	AAT/GAP
Start	5013	End	5199
GI	2796383	Score	361
Exons	5013..5199		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46947	Strand	+
Start	165	End	9700
Name	OJ990415_11.9A07.C13.o2.np	Method	AAT/NAP
Start	5989	End	9700
GI	2827551	Score	315
Exons	5989..6008, 7100..7543, 9667..9700		
GI Descrip.	(AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46947	Strand	+
Start	165	End	9700
Name	OJ990415_11.9A07.C13.o3.gs	Method	GENSCAN
Start	7133	End	7606
GI	none	Score	.89
Exons	7133..7606		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46947	Strand	+
Start	165	End	9700
Name	OJ990415_11.9A07.C13.o3.gp	Method	AAT/GAP
Start	7168	End	7857
GI	4716526	Score	1182
Exons	7168..7857		
GI Descrip.	2827551/emb|CAA16559| 1.0e-10 (AL021635) predicted protein [Arabidopsis thaliana]		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46948	Strand	+
Start	12221	End	12845
Name	OJ990415_11.9A07.C13.o3.np	Method	AAT/NAP
Start	12221	End	12845
GI	322756	Score	94
Exons	12221..12489, 12806..12845		
GI Descrip.	pistil extensin-like protein (clone pMG07) - common tobacco (fragment) gi|19921|emb|CAA78396| (Z14018) pistil extensin like protein, partial CDS [Nicotiana tabacum]		

Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46949	Strand	-
Start	5431	End	6068
Name	OJ990415_11.9A07.C13.o2.gs	Method	GENSCAN
Start	5431	End	6068
GI	none	Score	.43

Exons	5431..5612, 5705..6068		
Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46950	Strand	-
Start	9429	End	12821
Name	OJ990415_11.9A07.C13.o1.ts	Method	TBLASTX:Soybean
Start	4518	End	7468
GI	none	Score	332
Exons	4518..4706, 4519..4866, 4519..4797, 4761..4862, 7103..7468, 7123..7461		
Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46950	Strand	-
Start	9429	End	12821
Name	OJ990415_11.9A07.C13.o1.tc	Method	TBLASTX:Cress
Start	4525	End	7351
GI	none	Score	165
Exons	4525..4722, 7100..7351, 7102..7341		
Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46950	Strand	-
Start	9429	End	12821
Name	OJ990415_11.9A07.C13.o1.tm	Method	TBLASTX:Maize
Start	4525	End	7669
GI	none	Score	72
Exons	4525..4587, 4525..4587, 4581..4700, 4582..4977, 4582..4935, 7097..7177, 7098..7187, 7099..7194, 7100..7189, 7182..7580, 7183..7587, 7184..7588, 7625..7669		
Seq. No.	22555	Seq. ID	OJ990415_11.9A07.C13
Gene No.	46950	Strand	-
Start	9429	End	12821
Name	OJ990415_11.9A07.C13.o4.gs	Method	GENSCAN
Start	9429	End	12821
GI	none	Score	.4
Exons	9429..9529, 9667..9874, 9907..10021, 12691..12821		
Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46951	Strand	+
Start	94	End	970
Name	OJ990415_11.9A07.C14.o1.gs	Method	GENSCAN
Start	94	End	970
GI	none	Score	.8
Exons	94..232, 850..970		
Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46952	Strand	+
Start	1471	End	6124
Name	OJ990415_11.9A07.C14.o2.gs	Method	GENSCAN
Start	1471	End	6124
GI	none	Score	.8
Exons	1471..1580, 2977..3451, 4461..4671, 5265..5434, 6071..6124		
Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46952	Strand	+
Start	1471	End	6124
Name	OJ990415_11.9A07.C14.o3.np	Method	AAT/NAP

Start	1471	End	3533
GI	6721561	Score	74
Exons	1471..1548, 3497..3533		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46952	Strand	+
Start	1471	End	6124
Name	OJ990415_11.9A07.C14.o4.np	Method	AAT/NAP
Start	3001	End	5565
GI	4249413	Score	544
Exons	3001..3131, 4465..4671, 5265..5438, 5522..5565		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46953	Strand	+
Start	8524	End	9623
Name	OJ990415_11.9A07.C14.o4.gp	Method	AAT/GAP
Start	8524	End	9623
GI	2291_1.R1084	Score	2052
Exons	8524..9623		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46954	Strand	+
Start	10554	End	12491
Name	OJ990415_11.9A07.C14.o5.gp	Method	AAT/GAP
Start	10554	End	12491
GI	none	Score	941
Exons	10554..10736, 10915..10960, 12079..12166, 12284..12491		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46955	Strand	+
Start	17432	End	17880
Name	OJ990415_11.9A07.C14.o6.gp	Method	AAT/GAP
Start	17432	End	17880
GI	uC-osflcyp079a12a1	Score	874
Exons	17432..17880		
GI Descrip.	'3924606 7.0e-22 (AF069442) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46956	Strand	-
Start	1	End	5399
Name	OJ990415_11.9A07.C14.o1.np	Method	AAT/NAP
Start	1	End	2032
GI	6815109	Score	197
Exons	1..352, 385..652, 1966..2032		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46956	Strand	-
Start	1	End	5399
Name	OJ990415_11.9A07.C14.o2.np	Method	AAT/NAP
Start	1349	End	5399
GI	4680183	Score	109
Exons	1349..1438, 5374..5399		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46957	Strand	-
Start	6358	End	6746
Name	OJ990415_11.9A07.C14.o1.gp	Method	AAT/GAP
Start	6358	End	6746
GI	5003883	Score	746
Exons	6358..6746		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46957	Strand	-
Start	6358	End	6746
Name	OJ990415_11.9A07.C14.o5.np	Method	AAT/NAP
Start	6369	End	6689
GI	124197	Score	519
Exons	6369..6689		
GI Descrip.	TRANSLATION INITIATION FACTOR IF-1, CHLOROPLAST gi|72885|pir||FIRZ1 translation initiation factor IF-1 - rice chloroplast gi|12021|emb|CAA33930| (X15901) initiation factor 1 [Oryza sativa] gi|226642|prf||1603356BR initiation factor 1 [Oryza sativa] gi|227785|prf||1711263A initiation factor 1 [Oryza sativa]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46958	Strand	-
Start	6807	End	7214
Name	OJ990415_11.9A07.C14.o6.np	Method	AAT/NAP
Start	6807	End	7214
GI	134022	Score	661
Exons	6807..7214		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S8 gi|70914|pir||R3RZ8 ribosomal protein S8 - rice chloroplast gi|12022|emb|CAA33931| (X15901) ribosomal protein S8 [Oryza sativa] gi|226643|prf||1603356BT ribosomal protein S8 [Oryza sativa]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46959	Strand	-
Start	7354	End	15297
Name	OJ990415_11.9A07.C14.o2.gp	Method	AAT/GAP
Start	7296	End	7882
GI	481_1.R1084	Score	992
Exons	7296..7882		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein		

L14 [Oryza sativa]'

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46959	Strand	-
Start	7354	End	15297
Name	OJ990415_11.9A07.C14.o4.gs	Method	GENSCAN
Start	7354	End	13771
GI	none	Score	.53
Exons	7354..7691, 10132..10258, 10379..10638, 12214..12374, 12414..12576, 12624..12716, 13030..13183, 13296..13452, 13758..13771		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46959	Strand	-
Start	7354	End	15297
Name	OJ990415_11.9A07.C14.o7.np	Method	AAT/NAP
Start	7357	End	7725
GI	132672	Score	594
Exons	7357..7725		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46959	Strand	-
Start	7354	End	15297
Name	OJ990415_11.9A07.C14.o8.np	Method	AAT/NAP
Start	7839	End	8245
GI	132712	Score	643
Exons	7839..8245		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi|71250|pir||R5RZ16 ribosomal protein L16 - rice chloroplast gi|669084|emb|CAA33933| (X15901) ribosomal protein L16 [Oryza sativa] gi|226645|prf||1603356BV ribosomal protein L16 [Oryza sativa]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46959	Strand	-
Start	7354	End	15297
Name	OJ990415_11.9A07.C14.o3.gp	Method	AAT/GAP
Start	8186	End	8449
GI	LIB3432-015-P1-K1-H8	Score	446
Exons	8186..8449		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46959	Strand	-
Start	7354	End	15297
Name	OJ990415_11.9A07.C14.o9.np	Method	AAT/NAP
Start	9440	End	11159
GI	133936	Score	297
Exons	9440..9676, 11121..11159		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|70867|pir||R3RZ3 ribosomal protein S3 - rice chloroplast gi|12025|emb|CAA33934| (X15901) ribosomal protein S3 [Oryza sativa] gi|226646|prf||1603356BW ribosomal protein S3 [Oryza sativa]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46959	Strand	-
Start	7354	End	15297
Name	OJ990415_11.9A07.C14.o10.np	Method	AAT/NAP
Start	13030	End	15297
GI	4115939	Score	501
Exons	13030..13183, 13296..13452, 15203..15297		
GI Descrip.	(AF118223) contains similarity to Methanobacterium thermoautotrophicum transcriptional regulator (GB:AE000850) [Arabidopsis thaliana]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o7.tm	Method	TBLASTX:Maize
Start	3311	End	5325
GI	none	Score	72
Exons	3311..3373, 3391..3453, 3410..3454, 4452..4589, 4452..4595, 4456..4599, 4459..4596, 4463..4603, 4562..4675, 4581..4673, 4594..4674, 5266..5325, 5267..5323		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o4.ts	Method	TBLASTX:Soybean
Start	4452	End	5434
GI	none	Score	348
Exons	4452..4673, 4452..4670, 4466..4684, 5266..5433, 5267..5434		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o6.tc	Method	TBLASTX:Cress
Start	4455	End	5322
GI	none	Score	61
Exons	4455..4529, 4457..4528, 4503..4673, 4505..4675, 4506..4673, 4507..4674, 5257..5322, 5264..5320		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o9.tm	Method	TBLASTX:Maize
Start	5326	End	5555
GI	none	Score	184
Exons	5326..5436, 5327..5437, 5520..5555		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o1.tm	Method	TBLASTX:Maize
Start	6262	End	7454
GI	none	Score	75
Exons	6262..6312, 6262..6330, 6263..6352, 6263..6346, 6357..6725, 6359..6637, 6411..6668, 6733..7320, 6736..6786, 6740..6790, 6787..7452, 6789..7436, 7019..7453, 7365..7454		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o6.ts	Method	TBLASTX:Soybean
Start	6444	End	6647
GI	none	Score	174
Exons	6444..6647, 6445..6633		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o1.tw	Method	TBLASTX:Wheat
Start	6736	End	7163
GI	none	Score	358
Exons	6736..6786, 6738..7160, 6739..7161, 6789..7163		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o1.ts	Method	TBLASTX:Soybean
Start	6801	End	9675
GI	none	Score	225
Exons	6801..7013, 6802..7017, 7008..7214, 7024..7215, 7030..7251, 7238..7288, 7249..7275, 7292..7357, 7343..7645, 7354..7644, 7463..7657, 7633..7734, 7640..7759, 7837..8052, 7851..8051, 7854..8066, 7856..8065, 8036..8239, 8037..8198, 8050..8241, 8102..8236, 9452..9622, 9453..9626, 9454..9675		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o2.tc	Method	TBLASTX:Cress
Start	6801	End	7321
GI	none	Score	204
Exons	6801..7013, 6802..7005, 7008..7217, 7021..7215, 7030..7224, 7035..7223, 7239..7280, 7240..7272, 7283..7321		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o3.tw	Method	TBLASTX:Wheat
Start	7242	End	7606
GI	none	Score	60
Exons	7242..7277, 7243..7281, 7251..7319, 7261..7317, 7263..7319, 7328..7606, 7328..7603, 7345..7605		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o5.tc	Method	TBLASTX:Cress
Start	7347	End	7734
GI	none	Score	92
Exons	7347..7535, 7348..7551, 7355..7552, 7366..7566, 7552..7644, 7553..7645, 7553..7657, 7620..7652, 7633..7734, 7651..7731		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-

Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o2.tm	Method	TBLASTX:Maize
Start	7495	End	9321
GI	none	Score	84
Exons	7495..7566, 7495..7539, 7496..7540, 7540..7806, 7541..7798, 7620..7799, 7647..7832, 7705..8061, 7731..8066, 7825..8052, 7838..8065, 8036..8239, 8037..8198, 8050..8241, 8056..8235, 9265..9321		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o4.tw	Method	TBLASTX:Wheat
Start	7759	End	8150
GI	none	Score	81
Exons	7759..7854, 7759..7815, 7761..7835, 7767..8051, 7825..8052, 7832..8059, 7836..8066, 7838..8065, 8036..8149, 8037..8150		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o4.tc	Method	TBLASTX:Cress
Start	7768	End	8239
GI	none	Score	48
Exons	7768..7800, 7920..8051, 7921..8061, 7931..8065, 7935..8066, 8036..8239, 8037..8195, 8051..8233		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o5.tw	Method	TBLASTX:Wheat
Start	8182	End	8579
GI	none	Score	125
Exons	8182..8256, 8183..8257, 8227..8352, 8253..8357, 8257..8352, 8262..8387, 8371..8394, 8373..8396, 8396..8440, 8447..8506, 8448..8507, 8449..8508, 8546..8578, 8547..8579		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o6.tm	Method	TBLASTX:Maize
Start	8543	End	8842
GI	none	Score	157
Exons	8543..8659, 8544..8660, 8551..8661, 8553..8711, 8554..8703, 8647..8793, 8648..8830, 8657..8842		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o7.tc	Method	TBLASTX:Cress
Start	8582	End	9629
GI	none	Score	50
Exons	8582..8623, 8590..8613, 8661..8705, 8661..8705, 8699..8788, 8702..8794, 8914..8940, 8936..8980, 9087..9149, 9268..9315, 9272..9298, 9395..9628, 9437..9622, 9438..9629, 9549..9626		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14

Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o2.tw	Method	TBLASTX:Wheat
Start	8667	End	9231
GI	none	Score	65
Exons	8667..8729, 8667..8816, 8668..8817, 8669..8851, 8822..8875, 8824..8877, 8872..8979, 8879..8974, 8879..8980, 8986..9042, 8989..9081, 9034..9081, 9061..9171, 9063..9221, 9067..9231, 9081..9221		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o5.tm	Method	TBLASTX:Maize
Start	8899	End	9220
GI	none	Score	60
Exons	8899..8943, 8908..8940, 8933..8980, 8937..8981, 8938..9042, 8938..9045, 9031..9081, 9034..9081, 9055..9171, 9071..9193, 9084..9209, 9161..9220		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o4.tm	Method	TBLASTX:Maize
Start	9374	End	9635
GI	none	Score	241
Exons	9374..9634, 9376..9579, 9396..9635		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o3.ts	Method	TBLASTX:Soybean
Start	13019	End	15276
GI	none	Score	198
Exons	13019..13183, 13044..13184, 13296..13445, 13299..13445, 13300..13446, 15202..15276, 15203..15274		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o3.tm	Method	TBLASTX:Maize
Start	13037	End	15277
GI	none	Score	166
Exons	13037..13183, 13038..13184, 13296..13508, 13297..13449, 15202..15276, 15203..15277		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o3.tc	Method	TBLASTX:Cress
Start	13041	End	15289
GI	none	Score	187
Exons	13041..13184, 13042..13182, 13043..13225, 13043..13183, 13296..13457, 13297..13452, 13311..13493, 15200..15289, 15202..15273		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14

Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o6.gs	Method	GENSCAN
Start	17600	End	18904
GI	none	Score	1
Exons	17600..18904		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o11.np	Method	AAT/NAP
Start	17612	End	18975
GI	3924606	Score	1499
Exons	17612..18975		
GI Descrip.	(AF069442) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o5.ts	Method	TBLASTX:Soybean
Start	17617	End	17904
GI	none	Score	35
Exons	17617..17634, 17687..17899, 17694..17879, 17695..17904		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o1.tc	Method	TBLASTX:Cress
Start	18149	End	18793
GI	none	Score	250
Exons	18149..18418, 18173..18517, 18284..18625, 18389..18793, 18390..18788		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o2.ts	Method	TBLASTX:Soybean
Start	18149	End	18907
GI	none	Score	58
Exons	18149..18418, 18227..18526, 18320..18634, 18428..18907, 18438..18503, 18533..18718, 18660..18812		

Seq. No.	22556	Seq. ID	OJ990415_11.9A07.C14
Gene No.	46960	Strand	-
Start	17600	End	18975
Name	OJ990415_11.9A07.C14.o8.tm	Method	TBLASTX:Maize
Start	18170	End	18793
GI	none	Score	128
Exons	18170..18418, 18386..18640, 18494..18793, 18539..18715, 18561..18788		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46961	Strand	+
Start	4189	End	14723
Name	OJ990415_11.9A07.C15.o1.np	Method	AAT/NAP
Start	4189	End	7284
GI	5902445	Score	3020

Exons	4189..6025, 6065..7284		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46961	Strand	+
Start	4189	End	14723
Name	OJ990415_11.9A07.C15.o3.np	Method	AAT/NAP
Start	6242	End	14723
GI	465445	Score	71
Exons	6242..6276, 8954..9029, 9210..9438, 9808..9864, 13828..13926, 14154..14182, 14304..14723		
GI Descrip.	PROBABLE NUCLEAR ANTIGEN gi|418708|pir||B45344 probable nuclear antigen - suid herpesvirus 1 (strain Kaplan) gi|334072 (M34651) ORF-3 protein [Pseudorabies virus]		
Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o5.tm	Method	TBLASTX:Maize
Start	2504	End	2740
GI	none	Score	183
Exons	2504..2740		
Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o7.tw	Method	TBLASTX:Wheat
Start	2504	End	2902
GI	none	Score	251
Exons	2504..2902		
Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o4.tw	Method	TBLASTX:Wheat
Start	3485	End	12991
GI	none	Score	145
Exons	3485..3667, 3493..3594, 3704..3940, 3706..3930, 12866..12991		
Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o1.tw	Method	TBLASTX:Wheat
Start	4134	End	4590
GI	none	Score	544
Exons	4134..4589, 4135..4590		
Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o2.ts	Method	TBLASTX:Soybean
Start	4174	End	4539
GI	none	Score	98
Exons	4174..4398, 4405..4539		
Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-

Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o1.tm	Method	TBLASTX:Maize
Start	4264	End	4620
GI	none	Score	409
Exons	4264..4620, 4318..4494, 4326..4619		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o2.tm	Method	TBLASTX:Maize
Start	4648	End	5031
GI	none	Score	308
Exons	4648..5031, 4815..4931		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o2.tw	Method	TBLASTX:Wheat
Start	4705	End	5129
GI	none	Score	432
Exons	4705..5127, 4745..4846, 4815..4955, 4998..5129		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o1.ts	Method	TBLASTX:Soybean
Start	4759	End	5184
GI	none	Score	291
Exons	4759..5184, 4818..4943		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o6.tw	Method	TBLASTX:Wheat
Start	5274	End	5682
GI	none	Score	212
Exons	5274..5501, 5275..5499, 5509..5682, 5538..5678, 5611..5682		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o8.tw	Method	TBLASTX:Wheat
Start	5736	End	5979
GI	none	Score	178
Exons	5736..5975, 5737..5979		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o3.tm	Method	TBLASTX:Maize
Start	6184	End	6465
GI	none	Score	46
Exons	6184..6234, 6234..6464, 6235..6465		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621

Name	OJ990415_11.9A07.C15.o5.tw	Method	TBLASTX:Wheat
Start	6291	End	6645
GI	none	Score	354
Exons	6291..6347, 6292..6645, 6393..6635		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o3.tw	Method	TBLASTX:Wheat
Start	6664	End	7275
GI	none	Score	344
Exons	6664..6747, 6667..7119, 6816..6923, 7147..7275, 7149..7274		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o4.tm	Method	TBLASTX:Maize
Start	6973	End	7239
GI	none	Score	138
Exons	6973..7155, 7156..7239		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o2.gs	Method	GENSCAN
Start	7898	End	14621
GI	none	Score	.49
Exons	7898..8415, 8488..8652, 8811..9511, 9516..9640, 9712..9846, 9958..10082, 10250..10963, 11197..11273, 11307..11370, 11489..11575, 11770..11876, 12993..13065, 13806..13931, 14148..14241, 14335..14414, 14519..14621		

Seq. No.	22557	Seq. ID	OJ990415_11.9A07.C15
Gene No.	46962	Strand	-
Start	7898	End	14621
Name	OJ990415_11.9A07.C15.o2.np	Method	AAT/NAP
Start	8749	End	12925
GI	6721561	Score	1084
Exons	8749..9507, 9578..9640, 9712..9874, 12839..12925		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22558	Seq. ID	OJ990415_11.9A07.C16
Gene No.	46963	Strand	+
Start	2548	End	6549
Name	OJ990415_11.9A07.C16.o1.gs	Method	GENSCAN
Start	2548	End	6549
GI	none	Score	.93
Exons	2548..3700, 6095..6220, 6446..6549		

Seq. No.	22558	Seq. ID	OJ990415_11.9A07.C16
Gene No.	46964	Strand	-
Start	6960	End	7746
Name	OJ990415_11.9A07.C16.o1.tm	Method	TBLASTX:Maize

Start	2704	End	3141
GI	none	Score	49
Exons	2704..2760, 2770..2919, 2799..2918, 2919..3140, 2920..3141		

Seq. No.	22558	Seq. ID	OJ990415_11.9A07.C16
Gene No.	46964	Strand	-
Start	6960	End	7746
Name	OJ990415_11.9A07.C16.o2.tm	Method	TBLASTX:Maize
Start	3444	End	3718
GI	none	Score	53
Exons	3444..3503, 3445..3504, 3508..3699, 3512..3718, 3516..3650, 3523..3714		

Seq. No.	22558	Seq. ID	OJ990415_11.9A07.C16
Gene No.	46964	Strand	-
Start	6960	End	7746
Name	OJ990415_11.9A07.C16.o2.gs	Method	GENSCAN
Start	6960	End	7746
GI	none	Score	.83
Exons	6960..7284, 7691..7746		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17
Gene No.	46965	Strand	-
Start	166	End	448
Name	OJ990415_11.9A07.C17.o1.np	Method	AAT/NAP
Start	166	End	448
GI	6016698	Score	281
Exons	166..448		
GI Descrip.	(AC009991) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17
Gene No.	46966	Strand	-
Start	7256	End	7729
Name	OJ990415_11.9A07.C17.o2.ts	Method	TBLASTX:Soybean
Start	165	End	303
GI	none	Score	128
Exons	165..302, 166..303		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17
Gene No.	46966	Strand	-
Start	7256	End	7729
Name	OJ990415_11.9A07.C17.o1.tm	Method	TBLASTX:Maize
Start	3624	End	4025
GI	none	Score	107
Exons	3624..3803, 3804..3842, 3806..3874, 3867..3962, 3869..4021, 3888..4025		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17
Gene No.	46966	Strand	-
Start	7256	End	7729
Name	OJ990415_11.9A07.C17.o2.tm	Method	TBLASTX:Maize
Start	4323	End	4627
GI	none	Score	44
Exons	4323..4382, 4325..4381, 4386..4472, 4391..4468, 4479..4625, 4499..4627		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17

Gene No.	46966	Strand	-
Start	7256	End	7729
Name	OJ990415_11.9A07.C17.o2.gs	Method	GENSCAN
Start	7256	End	7633
GI	none	Score	.46
Exons	7256..7633		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17
Gene No.	46966	Strand	-
Start	7256	End	7729
Name	OJ990415_11.9A07.C17.o3.np	Method	AAT/NAP
Start	7256	End	7729
GI	285741	Score	404
Exons	7256..7729		
GI Descrip.	(D14550) EDGP precursor [Daucus carota]		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17
Gene No.	46966	Strand	-
Start	7256	End	7729
Name	OJ990415_11.9A07.C17.o1.tc	Method	TBLASTX:Cress
Start	7268	End	7712
GI	none	Score	34
Exons	7268..7600, 7306..7380, 7368..7580, 7596..7712; 7598..7696		

Seq. No.	22559	Seq. ID	OJ990415_11.9A07.C17
Gene No.	46966	Strand	-
Start	7256	End	7729
Name	OJ990415_11.9A07.C17.o1.ts	Method	TBLASTX:Soybean
Start	7268	End	7729
GI	none	Score	108
Exons	7268..7426, 7395..7580, 7442..7597, 7596..7724, 7598..7729		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46967	Strand	+
Start	1408	End	2401
Name	OJ990415_11.9A07.C18.o1.gs	Method	GENSCAN
Start	1408	End	2401
GI	none	Score	.92
Exons	1408..1553, 1726..1816, 2360..2401		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46968	Strand	+
Start	3039	End	3944
Name	OJ990415_11.9A07.C18.o2.gs	Method	GENSCAN
Start	3039	End	3944
GI	none	Score	.69
Exons	3039..3196, 3742..3822, 3881..3944		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46969	Strand	+
Start	7077	End	7634
Name	OJ990415_11.9A07.C18.o4.gs	Method	GENSCAN
Start	7077	End	7634
GI	none	Score	.64
Exons	7077..7283, 7596..7634		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18

Gene No.	46970	Strand	+
Start	11637	End	11971
Name	OJ990415_11.9A07.C18.o1.gp	Method	AAT/GAP
Start	11637	End	11971
GI	uC-osroM202027h09a1	Score	623
Exons	11637..11971		
GI Descrip.	'285741/dbj|BAA03413| 9.0e-22 (D14550) EDGP precursor [Daucus carota]'		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46971	Strand	+
Start	18201	End	18817
Name	OJ990415_11.9A07.C18.o8.gs	Method	GENSCAN
Start	18201	End	18817
GI	none	Score	.49
Exons	18201..18292, 18700..18817		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46972	Strand	+
Start	18746	End	35289
Name	OJ990415_11.9A07.C18.o3.np	Method	AAT/NAP
Start	18746	End	35094
GI	5052554	Score	1558
Exons	18746..18770, 20746..20786, 20890..21001, 21104..21284, 22662..22734, 22815..22987, 23078..23278, 23987..24064, 24462..24572, 24651..24737, 24836..25018, 25099..25149, 25223..25348, 25452..25531, 26109..26185, 28633..28811, 31147..31212, 31307..31378, 31589..31752, 32477..32588, 32991..33107, 34047..34121, 34164..35094		
GI Descrip.	(AF145632) BcDNA.GH06032 [Drosophila melanogaster]		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46972	Strand	+
Start	18746	End	35289
Name	OJ990415_11.9A07.C18.o9.gs	Method	GENSCAN
Start	20554	End	35119
GI	none	Score	.73
Exons	20554..20739, 20866..20997, 21082..21284, 22662..22734, 22815..22987, 23078..23138, 23960..24064, 24651..24737, 25099..25149, 25223..25348, 25452..25531, 26109..26217, 26899..27393, 27486..27787, 27910..28041, 28137..28255, 28633..28811, 31589..31737, 32477..32588, 32991..33107, 34047..34650, 34686..35119		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46972	Strand	+
Start	18746	End	35289
Name	OJ990415_11.9A07.C18.o2.gp	Method	AAT/GAP
Start	34880	End	35289
GI	LIB3433-026-P1-K1-E11	Score	793
Exons	34880..35289		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46973	Strand	+
Start	39573	End	41078

Name	OJ990415_11.9A07.C18.o5.np	Method	AAT/NAP
Start	39573	End	41078
GI	5441880	Score	1245
Exons	39573..40591, 40937..41078		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46974	Strand	-
Start	4808	End	6128
Name	OJ990415_11.9A07.C18.o3.gs	Method	GENSCAN
Start	4808	End	6128
GI	none	Score	1
Exons	4808..5349, 5363..6128		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46975	Strand	-
Start	9188	End	10501
Name	OJ990415_11.9A07.C18.o5.gs	Method	GENSCAN
Start	9188	End	10501
GI	none	Score	.84
Exons	9188..10501		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46976	Strand	-
Start	11687	End	13000
Name	OJ990415_11.9A07.C18.o1.np	Method	AAT/NAP
Start	11681	End	12991
GI	3850579	Score	989
Exons	11681..12991		
GI Descrip.	(AC005278) Strong similarity to gb|D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb|H37281, gb|T44167, gb|T21813, gb|N38437, gb|Z26470, gb|R65072, gb|N76373, gb|F15470, gb|Z35182, gb|H76373, gb|Z34678 an...		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46976	Strand	-
Start	11687	End	13000
Name	OJ990415_11.9A07.C18.o6.gs	Method	GENSCAN
Start	11687	End	13000
GI	none	Score	.52
Exons	11687..13000		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46977	Strand	-
Start	13607	End	15797
Name	OJ990415_11.9A07.C18.o7.gs	Method	GENSCAN
Start	13607	End	15797
GI	none	Score	.55
Exons	13607..13867, 14563..15023, 15782..15797		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46978	Strand	-
Start	16765	End	19007
Name	OJ990415_11.9A07.C18.o2.np	Method	AAT/NAP

Start	16765	End	19007
GI	6815053	Score	254
Exons	16765..16942, 18111..18344, 18853..19007		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o2.tc	Method	TBLASTX:Cress
Start	4817	End	12950
GI	none	Score	178
Exons	4817..5164, 4920..5165, 5148..5264, 5153..5260, 5276..5350, 5316..5351, 5370..5411, 5415..5471, 5490..5642, 5491..5625, 5676..5768, 5832..6023, 5869..5976, 9200..9319, 9302..9547, 9303..9524, 9531..9647, 9536..9634, 9659..9796, 9699..9782, 9800..9865, 9875..10045, 9876..10046, 10019..10186, 10044..10187, 10193..10411, 10254..10412, 11699..12043, 11700..12020, 12032..12130, 12155..12289, 12162..12278, 12293..12349, 12368..12547, 12369..12548, 12536..12679, 12537..12665, 12680..12901, 12747..12950		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o3.ts	Method	TBLASTX:Soybean
Start	4817	End	12950
GI	none	Score	62
Exons	4817..4987, 4920..4988, 4985..5167, 4986..5210, 5168..5338, 5168..5350, 5172..5351, 5370..5516, 5487..5768, 5491..5799, 5826..6023, 5887..5976, 9200..9319, 9300..9524, 9380..9550, 9551..9790, 9555..9791, 9797..9901, 9875..10186, 9876..10184, 10187..10411, 10206..10451, 11699..11857, 11700..11852, 11868..12020, 11873..12046, 12032..12361, 12047..12262, 12141..12350, 12368..12679, 12369..12677, 12686..12943, 12699..12950		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o7.tm	Method	TBLASTX:Maize
Start	20506	End	20801
GI	none	Score	186
Exons	20506..20703, 20545..20595, 20562..20705, 20668..20712, 20747..20800, 20763..20801		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o6.tm	Method	TBLASTX:Maize
Start	28742	End	34175
GI	none	Score	112
Exons	28742..28816, 28743..28817, 31147..31227, 31151..31213, 31302..31379, 31306..31386, 31307..31381, 31581..31736, 31588..31737, 31589..31735, 32458..32589, 32474..32590, 32475..32591, 32982..33107, 32990..33109, 32990..33106, 33067..33129, 34044..34130, 34052..34117, 34112..34174, 34113..34175		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o2.ts	Method	TBLASTX:Soybean
Start	33023	End	35120
GI	none	Score	137
Exons	33023..33106, 33024..33107, 33032..33109, 33064..33108, 34044..34154, 34092..34676, 34307..34678, 34314..34688, 34638..35075, 34656..34856, 34667..35110, 34669..35115, 34908..35120		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o2.tm	Method	TBLASTX:Maize
Start	34199	End	34624
GI	none	Score	643
Exons	34199..34624, 34227..34622, 34351..34623		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o3.tc	Method	TBLASTX:Cress
Start	34284	End	34759
GI	none	Score	597
Exons	34284..34676, 34292..34678, 34298..34678, 34667..34759, 34687..34758		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o5.tm	Method	TBLASTX:Maize
Start	34625	End	34834
GI	none	Score	79
Exons	34625..34678, 34626..34676, 34667..34834, 34672..34833		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o4.tm	Method	TBLASTX:Maize
Start	34910	End	35126
GI	none	Score	352
Exons	34910..35122, 34910..35125, 34911..35126		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o3.gp	Method	AAT/GAP
Start	36085	End	38201
GI	253_2_R1084	Score	2675
Exons	36085..37312, 38060..38201		
GI Descrip.	'113622/sp|P17784|ALF_ORYSA 0.0e+00 FRUCTOSE-BISPHOSPHATE ALDOLASE, CYTOPLASMIC ISOZYME >gi_68197_pir__ADRZY fructose-bisphosphate aldolase (EC 4.1.2.13), cytosolic - rice >gi_20204_emb_CAA37290_ (X53130) fructose-diphosphate aldolase (AA 1-358) [Oryza sativa]'		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o1.tc	Method	TBLASTX:Cress
Start	36220	End	37325
GI	none	Score	217
Exons	36220..36495, 36249..36482, 36459..37316, 36481..36966, 37006..37317, 37206..37325		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o1.tm	Method	TBLASTX:Maize
Start	36255	End	37314
GI	none	Score	50
Exons	36255..36299, 36258..36299, 36259..36303, 36310..36378, 36318..37127, 36318..37313, 36319..37314		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o3.tw	Method	TBLASTX:Wheat
Start	36258	End	36447
GI	none	Score	169
Exons	36258..36440, 36258..36446, 36259..36447		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o1.ts	Method	TBLASTX:Soybean
Start	36264	End	37325
GI	none	Score	677
Exons	36264..37313, 36268..36966, 36872..36970, 37006..37314, 37206..37325, 37213..37314		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o10.gs	Method	GENSCAN
Start	36264	End	38087
GI	none	Score	.98
Exons	36264..37312, 37947..37988, 38060..38087		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o4.np	Method	AAT/NAP
Start	36267	End	38087
GI	113622	Score	1774
Exons	36267..37312, 38060..38087		
GI Descrip.	FRUCTOSE-BISPHOSPHATE ALDOLASE, CYTOPLASMIC ISOZYME gi|68197|pir||ADRZY fructose-bisphosphate aldolase (EC 4.1.2.13), cytosolic - rice gi|20204|emb|CAA37290| (X53130) fructose-diphosphate aldolase (AA 1-358) [Oryza sativa]		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18

Gene No.	46979	Strand	-
Start	36264	End	38201
Name	OJ990415_11.9A07.C18.o1.tw	Method	TBLASTX:Wheat
Start	36640	End	38089
GI	none	Score	715
Exons	36640..37314, 36642..37313, 37206..37325, 37265..37324, 38057..38089		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46980	Strand	
Start	40140	End	40811
Name	OJ990415_11.9A07.C18.o3.tm	Method	TBLASTX:Maize
Start	40140	End	40736
GI	none	Score	353
Exons	40140..40607, 40145..40267, 40319..40618, 40665..40736		

Seq. No.	22560	Seq. ID	OJ990415_11.9A07.C18
Gene No.	46980	Strand	
Start	40140	End	40811
Name	OJ990415_11.9A07.C18.o2.tw	Method	TBLASTX:Wheat
Start	40434	End	40811
GI	none	Score	185
Exons	40434..40583, 40436..40588, 40437..40613, 40638..40811, 40646..40705, 40660..40800		

Seq. No.	22561	Seq. ID	OJ990415_11.9A07.C19
Gene No.	46981	Strand	+
Start	58	End	4237
Name	OJ990415_11.9A07.C19.o1.gs	Method	GENSCAN
Start	58	End	4114
GI	none	Score	.51
Exons	58..994, 1479..1552, 1628..1994, 2080..2302, 2375..2493, 2574..2872, 2977..3238, 3331..3438, 3485..3586, 3702..3724, 3782..3862, 3901..4114		

Seq. No.	22561	Seq. ID	OJ990415_11.9A07.C19
Gene No.	46981	Strand	+
Start	58	End	4237
Name	OJ990415_11.9A07.C19.o1.np	Method	AAT/NAP
Start	166	End	4237
GI	5441880	Score	1505
Exons	166..226, 485..811, 1413..1552, 1661..1994, 2574..2872, 2977..3238, 3311..3555, 4028..4237		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	22561	Seq. ID	OJ990415_11.9A07.C19
Gene No.	46981	Strand	+
Start	58	End	4237
Name	OJ990415_11.9A07.C19.o1.gp	Method	AAT/GAP
Start	1667	End	3917
GI	LIB3433-020-P1-K1-A6	Score	766
Exons	1667..1709, 3531..3917		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	22561	Seq. ID	OJ990415_11.9A07.C19
Gene No.	46982	Strand	-
Start	4762	End	5248
Name	OJ990415_11.9A07.C19.o1.tw	Method	TBLASTX:Wheat
Start	1719	End	1901
GI	none	Score	92
Exons	1719..1772, 1733..1783, 1781..1900, 1782..1901		

Seq. No.	22561	Seq. ID	OJ990415_11.9A07.C19
Gene No.	46982	Strand	-
Start	4762	End	5248
Name	OJ990415_11.9A07.C19.o2.np	Method	AAT/NAP
Start	4762	End	5248
GI	5295955	Score	149
Exons	4762..4872, 4900..5248		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22562	Seq. ID	OJ990415_11.9A07.C20
Gene No.	46983	Strand	+
Start	134	End	551
Name	OJ990415_11.9A07.C20.o1.gs	Method	GENSCAN
Start	134	End	551
GI	none	Score	.48
Exons	134..216, 300..551		

Seq. No.	22562	Seq. ID	OJ990415_11.9A07.C20
Gene No.	46984	Strand	-
Start	1	End	2014
Name	OJ990415_11.9A07.C20.o1.np	Method	AAT/NAP
Start	1	End	2014
GI	5295955	Score	312
Exons	1..497, 542..607, 1288..1402, 1945..2014		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	22562	Seq. ID	OJ990415_11.9A07.C20
Gene No.	46984	Strand	-
Start	1	End	2014
Name	OJ990415_11.9A07.C20.o2.gs	Method	GENSCAN
Start	783	End	1558
GI	none	Score	.43
Exons	783..864, 1288..1402, 1549..1558		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46985	Strand	+
Start	1455	End	1524
Name	OJ990415_11.9A07.C21.o1.gs	Method	GENSCAN
Start	1455	End	1524
GI	none	Score	.57
Exons	1455..1524		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46986	Strand	+
Start	4444	End	6079
Name	OJ990415_11.9A07.C21.o1.gp	Method	AAT/GAP
Start	4376	End	6079

GI	2535_1.R1084	Score	1192
Exons	4376..4753, 5752..5865, 5952..6079		
GI Descrip.	'3892058/gb|AAC78271.1|AAC78271 7.0e-54 (AC002330) putative glutamate-/aspartate-binding peptide [Arabidopsis thaliana]'		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46986	Strand	+
Start	4444	End	6079
Name	OJ990415_11.9A07.C21.o3.gs	Method	GENSCAN
Start	4444	End	5865
GI	none	Score	.79
Exons	4444..4753, 5752..5865		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46986	Strand	+
Start	4444	End	6079
Name	OJ990415_11.9A07.C21.o2.np	Method	AAT/NAP
Start	4474	End	6079
GI	2244904	Score	386
Exons	4474..4900, 5747..6079		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46987	Strand	-
Start	1	End	1096
Name	OJ990415_11.9A07.C21.o1.np	Method	AAT/NAP
Start	1	End	1096
GI	6721547	Score	96
Exons	1..145, 1012..1096		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46988	Strand	-
Start	2978	End	3582
Name	OJ990415_11.9A07.C21.o2.gs	Method	GENSCAN
Start	2978	End	3582
GI	none	Score	.56
Exons	2978..3093, 3366..3582		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46989	Strand	
Start	4465	End	6079
Name	OJ990415_11.9A07.C21.o1.tw	Method	TBLASTX:Wheat
Start	4465	End	5861
GI	none	Score	352
Exons	4465..4752, 4482..4757, 5735..5860, 5736..5861, 5754..5861		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46989	Strand	
Start	4465	End	6079
Name	OJ990415_11.9A07.C21.o1.ts	Method	TBLASTX:Soybean
Start	4509	End	6079
GI	none	Score	162
Exons	4509..4679, 4522..4770, 5754..5867, 5777..5866, 5947..6078, 5950..6069, 5951..6079		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21

Gene No.	46989	Strand	
Start	4465	End	6079
Name	OJ990415_11.9A07.C21.o1.tm	Method	TBLASTX:Maize
Start	5736	End	6079
GI	none	Score	126
Exons	5736..5867, 5744..5866, 5948..6079, 5950..6078		

Seq. No.	22563	Seq. ID	OJ990415_11.9A07.C21
Gene No.	46989	Strand	
Start	4465	End	6079
Name	OJ990415_11.9A07.C21.o1.tc	Method	TBLASTX:Cress
Start	5745	End	6061
GI	none	Score	131
Exons	5745..5867, 5750..5866, 5948..6061, 5950..6060		

Seq. No.	22564	Seq. ID	OJ990415_11.9A07.C22
Gene No.	46990	Strand	-
Start	1	End	437
Name	OJ990415_11.9A07.C22.o1.np	Method	AAT/NAP
Start	1	End	425
GI	3850579	Score	256
Exons	1..425		
GI Descrip.	(AC005278) Strong similarity to gb|D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb|H37281, gb|T44167, gb|T21813, gb|N38437, gb|Z26470, gb|R65072, gb|N76373, gb|F15470, gb|Z35182, gb|H76373, gb|Z34678 an...		

Seq. No.	22564	Seq. ID	OJ990415_11.9A07.C22
Gene No.	46990	Strand	-
Start	1	End	437
Name	OJ990415_11.9A07.C22.o1.tc	Method	TBLASTX:Cress
Start	3	End	437
GI	none	Score	97
Exons	3..119, 126..437, 187..342		

Seq. No.	22564	Seq. ID	OJ990415_11.9A07.C22
Gene No.	46990	Strand	-
Start	1	End	437
Name	OJ990415_11.9A07.C22.o1.ts	Method	TBLASTX:Soybean
Start	3	End	393
GI	none	Score	117
Exons	3..116, 126..392, 145..393		

Seq. No.	22564	Seq. ID	OJ990415_11.9A07.C22
Gene No.	46990	Strand	-
Start	1	End	437
Name	OJ990415_11.9A07.C22.o1.gs	Method	GENSCAN
Start	15	End	434
GI	none	Score	1
Exons	15..434		

Seq. No.	22565	Seq. ID	OJ990415_11.9A07.C23
Gene No.	46991	Strand	+
Start	148	End	689
Name	OJ990415_11.9A07.C23.o1.np	Method	AAT/NAP
Start	148	End	689

GI	6721516	Score	289
Exons	148..388, 641..689		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	22565	Seq. ID	OJ990415_11.9A07.C23
Gene No.	46992	Strand	-
Start	361	End	478
Name	OJ990415_11.9A07.C23.o1.gs	Method	GENSCAN
Start	361	End	478
GI	none	Score	.95
Exons	361..478		

Seq. No.	22566	Seq. ID	OJ990915_16.9A18.C2
Gene No.	46993	Strand	+
Start	120	End	1261
Name	OJ990915_16.9A18.C2.o1.gs	Method	GENSCAN
Start	120	End	1261
GI	none	Score	.5
Exons	120..214, 988..1261		

Seq. No.	22567	Seq. ID	OJ990915_16.9A18.C3
Gene No.	46994	Strand	+
Start	145	End	586
Name	OJ990915_16.9A18.C3.o1.np	Method	AAT/NAP
Start	145	End	586
GI	3982612	Score	432
Exons	145..586		
GI Descrip.	(AF056150) disease resistance gene analog PIC11 [Zea mays]		

Seq. No.	22567	Seq. ID	OJ990915_16.9A18.C3
Gene No.	46994	Strand	+
Start	145	End	586
Name	OJ990915_16.9A18.C3.o1.gs	Method	GENSCAN
Start	238	End	417
GI	none	Score	.77
Exons	238..417		

Seq. No.	22568	Seq. ID	OJ990915_16.9A18.C4
Gene No.	46995	Strand	-
Start	1	End	701
Name	OJ990915_16.9A18.C4.o1.np	Method	AAT/NAP
Start	1	End	701
GI	4914413	Score	154
Exons	1..131, 581..701		
GI Descrip.	(AL050352) choline monooxygenase-like protein [Arabidopsis thaliana]		

Seq. No.	22568	Seq. ID	OJ990915_16.9A18.C4
Gene No.	46995	Strand	-
Start	1	End	701
Name	OJ990915_16.9A18.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	640
GI	none	Score	221
Exons	1..135, 3..137, 578..640, 582..632		

Seq. No.	22568	Seq. ID	OJ990915_16.9A18.C4
Gene No.	46995	Strand	-

Start	1	End	701
Name	OJ990915_16.9A18.C4.o1.gs	Method	GENSCAN
Start	581	End	637
GI	none	Score	.66
Exons	581..637		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46996	Strand	+
Start	1777	End	2773
Name	OJ990915_16.9A18.C5.o2.gs	Method	GENSCAN
Start	1777	End	2773
GI	none	Score	.85
Exons	1777..1947, 2366..2773		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46997	Strand	-
Start	1	End	2745
Name	OJ990915_16.9A18.C5.o1.np	Method	AAT/NAP
Start	1	End	2745
GI	4914413	Score	556
Exons	1..62, 304..430, 540..746, 832..906, 1368..1473, 1718..1763, 2442..2745		
GI Descrip.	(AL050352) choline monooxygenase-like protein [Arabidopsis thaliana]		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46997	Strand	-
Start	1	End	2745
Name	OJ990915_16.9A18.C5.o1.gs	Method	GENSCAN
Start	30	End	1471
GI	none	Score	.49
Exons	30..55, 540..746, 832..906, 1400..1471		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46998	Strand	-
Start	3125	End	8171
Name	OJ990915_16.9A18.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	655
GI	none	Score	81
Exons	1..54, 1..54, 8..55, 327..431, 331..432, 338..433, 338..433, 532..648, 537..650, 538..651, 539..655		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46998	Strand	-
Start	3125	End	8171
Name	OJ990915_16.9A18.C5.o2.tm	Method	TBLASTX:Maize
Start	1704	End	2577
GI	none	Score	76
Exons	1704..1760, 1715..1765, 1717..1764, 2440..2577, 2440..2571		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46998	Strand	-
Start	3125	End	8171
Name	OJ990915_16.9A18.C5.o3.gs	Method	GENSCAN
Start	3125	End	8171
GI	none	Score	.61
Exons	3125..3229, 5210..5267, 6508..6622, 7355..7608, 7711..8171		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46998	Strand	-
Start	3125	End	8171
Name	OJ990915_16.9A18.C5.o1.gp	Method	AAT/GAP
Start	7366	End	7790
GI	none	Score	718
Exons	7366..7790		

Seq. No.	22569	Seq. ID	OJ990915_16.9A18.C5
Gene No.	46998	Strand	-
Start	3125	End	8171
Name	OJ990915_16.9A18.C5.o2.np	Method	AAT/NAP
Start	7510	End	8117
GI	4572675	Score	106
Exons	7510..7663, 7738..7762, 7826..8117		
GI Descrip.	(AC006954) unknown protein [Arabidopsis thaliana]		

Seq. No.	22570	Seq. ID	OJ990915_16.9A18.C6
Gene No.	46999	Strand	-
Start	1382	End	2738
Name	OJ990915_16.9A18.C6.o1.gs	Method	GENSCAN
Start	1382	End	2738
GI	none	Score	.52
Exons	1382..1506, 2398..2536, 2592..2738		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47000	Strand	+
Start	4104	End	4306
Name	OJ990915_16.9A18.C8.o2.np	Method	AAT/NAP
Start	4104	End	4306
GI	93144	Score	73
Exons	4104..4306		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2 [Pseudorabies virus]		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47001	Strand	+
Start	6582	End	7081
Name	OJ990915_16.9A18.C8.o2.gs	Method	GENSCAN
Start	6582	End	7081
GI	none	Score	.91
Exons	6582..6595, 6629..6834, 7011..7081		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47002	Strand	+
Start	8014	End	8782
Name	OJ990915_16.9A18.C8.o4.np	Method	AAT/NAP
Start	8014	End	8782
GI	4680183	Score	193
Exons	8014..8084, 8693..8782		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47003	Strand	-
Start	165	End	6768

Name	OJ990915_16.9A18.C8.o1.gp	Method	AAT/GAP
Start	165	End	2361
GI	uC-osf1cyp057d06b1	Score	493
Exons	165..274, 1252..1320, 2181..2286, 2329..2361		
GI Descrip.	'5051789/emb|CAB45082.1| 7.0e-18 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47003	Strand	-
Start	165	End	6768
Name	OJ990915_16.9A18.C8.o1.gs	Method	GENSCAN
Start	198	End	4484
GI	none	Score	.94
Exons	198..274, 1252..1320, 2181..2286, 2669..2797, 3485..3597, 3906..4484		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47003	Strand	-
Start	165	End	6768
Name	OJ990915_16.9A18.C8.o1.np	Method	AAT/NAP
Start	2180	End	4913
GI	5051789	Score	257
Exons	2180..2290, 2691..2797, 3485..3600, 3691..3793, 3906..4112, 4810..4913		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47003	Strand	-
Start	165	End	6768
Name	OJ990915_16.9A18.C8.o1.tm	Method	TBLASTX:Maize
Start	2181	End	3609
GI	none	Score	148
Exons	2181..2282, 2181..2285, 2182..2286, 2666..2752, 2668..2745, 2722..2799, 2740..2799, 3476..3598, 3481..3609, 3484..3609		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47003	Strand	-
Start	165	End	6768
Name	OJ990915_16.9A18.C8.o2.gp	Method	AAT/GAP
Start	2718	End	4088
GI	53585_1.R1084	Score	799
Exons	2718..2797, 3485..3597, 3707..3793, 3906..4088		
GI Descrip.	'5051789/emb|CAB45082.1| 3.0e-16 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	22571	Seq. ID	OJ990915_16.9A18.C8
Gene No.	47003	Strand	-
Start	165	End	6768
Name	OJ990915_16.9A18.C8.o3.np	Method	AAT/NAP
Start	2990	End	6768
GI	6016874	Score	235
Exons	2990..3039, 4384..4585, 6696..6768		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	22572	Seq. ID	OJ990915_16.9A18.C9

Gene No.	47004	Strand	-
Start	182	End	981
Name	OJ990915_16.9A18.C9.o1.gs	Method	GENSCAN
Start	182	End	981
GI	none	Score	.66
Exons	182..257, 350..592, 869..981		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47005	Strand	+
Start	716	End	2347
Name	OJ990915_16.9A18.C10.o1.gs	Method	GENSCAN
Start	716	End	2347
GI	none	Score	.94
Exons	716..754, 826..1407, 1673..2347		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47005	Strand	+
Start	716	End	2347
Name	OJ990915_16.9A18.C10.o2.np	Method	AAT/NAP
Start	879	End	2147
GI	6815094	Score	187
Exons	879..947, 991..1074, 1661..1732, 1771..1972, 2003..2147		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47006	Strand	-
Start	3247	End	6926
Name	OJ990915_16.9A18.C10.o2.gs	Method	GENSCAN
Start	3247	End	5499
GI	none	Score	.9
Exons	3247..3669, 3987..4276, 5031..5181, 5320..5499		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47006	Strand	-
Start	3247	End	6926
Name	OJ990915_16.9A18.C10.o3.np	Method	AAT/NAP
Start	3247	End	6926
GI	3522950	Score	664
Exons	3247..3689, 3980..4378, 5031..5181, 5320..5359, 6815..6926		
GI Descrip.	(AC004411) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47006	Strand	-
Start	3247	End	6926
Name	OJ990915_16.9A18.C10.o1.gp	Method	AAT/GAP
Start	3406	End	4112
GI	LIB3432-029-P1-K1-D6	Score	717
Exons	3406..3669, 3987..4112		
GI Descrip.	'3522950/gb|AAC34232.1| 6.0e-23 (AC004411) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47006	Strand	-
Start	3247	End	6926
Name	OJ990915_16.9A18.C10.o2.gp	Method	AAT/GAP
Start	5015	End	5444
GI	uC-osflcyp154e03b1	Score	537

Exons	5015..5181, 5320..5444		
GI Descrip.	'3510261 2.0e-09 (AC005310) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47006	Strand	-
Start	3247	End	6926
Name	OJ990915_16.9A18.C10.o3.gp	Method	AAT/GAP
Start	5015	End	5443
GI	uC-osflcyp154e03b1	Score	535
Exons	5015..5181, 5320..5443		
GI Descrip.	'3510261 2.0e-09 (AC005310) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47006	Strand	-
Start	3247	End	6926
Name	OJ990915_16.9A18.C10.o4.gp	Method	AAT/GAP
Start	5605	End	6021
GI	none	Score	800
Exons	5605..6021		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47007	Strand	-
Start	6920	End	7694
Name	OJ990915_16.9A18.C10.o1.tw	Method	TBLASTX:Wheat
Start	1006	End	1397
GI	none	Score	140
Exons	1006..1161, 1062..1154, 1230..1397, 1231..1374, 1238..1378		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47007	Strand	-
Start	6920	End	7694
Name	OJ990915_16.9A18.C10.o3.tm	Method	TBLASTX:Maize
Start	1006	End	1332
GI	none	Score	107
Exons	1006..1089, 1093..1125, 1122..1163, 1123..1164, 1251..1331, 1252..1332, 1255..1332		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47007	Strand	-
Start	6920	End	7694
Name	OJ990915_16.9A18.C10.o2.tm	Method	TBLASTX:Maize
Start	1781	End	2037
GI	none	Score	230
Exons	1781..2035, 1789..2037		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47007	Strand	-
Start	6920	End	7694
Name	OJ990915_16.9A18.C10.o1.ts	Method	TBLASTX:Soybean
Start	3265	End	3595
GI	5509517	Score	85
Exons	3265..3339, 3358..3519, 3358..3594, 3464..3595		
GI Descrip.	3522950 2.0e-36 (AC004411) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47007	Strand	-
Start	6920	End	7694
Name	OJ990915_16.9A18.C10.o1.tm	Method	TBLASTX:Maize
Start	3451	End	4292
GI	none	Score	288
Exons	3451..3672, 3452..3667, 3453..3671, 3454..3672, 3984..4292, 3987..4292		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47007	Strand	-
Start	6920	End	7694
Name	OJ990915_16.9A18.C10.o2.ts	Method	TBLASTX:Soybean
Start	4215	End	5385
GI	none	Score	76
Exons	4215..4382, 4216..4299, 5027..5221, 5029..5106, 5131..5154, 5149..5214, 5317..5385		

Seq. No.	22573	Seq. ID	OJ990915_16.9A18.C10
Gene No.	47007	Strand	-
Start	6920	End	7694
Name	OJ990915_16.9A18.C10.o3.gs	Method	GENSCAN
Start	6920	End	7694
GI	none	Score	.43
Exons	6920..7000, 7243..7365, 7683..7694		

Seq. No.	22574	Seq. ID	OJ990915_16.9A18.C11
Gene No.	47008	Strand	+
Start	1444	End	3124
Name	OJ990915_16.9A18.C11.o1.np	Method	AAT/NAP
Start	1444	End	3124
GI	4234846	Score	1340
Exons	1444..1604, 1647..3124		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	22574	Seq. ID	OJ990915_16.9A18.C11
Gene No.	47008	Strand	+
Start	1444	End	3124
Name	OJ990915_16.9A18.C11.o1.tm	Method	TBLASTX:Maize
Start	1536	End	2547
GI	none	Score	586
Exons	1536..2114, 1537..2145, 2155..2286, 2226..2267, 2391..2441, 2482..2547		

Seq. No.	22574	Seq. ID	OJ990915_16.9A18.C11
Gene No.	47008	Strand	+
Start	1444	End	3124
Name	OJ990915_16.9A18.C11.o2.tw	Method	TBLASTX:Wheat
Start	2467	End	2904
GI	none	Score	110
Exons	2467..2664, 2734..2904, 2766..2888		

Seq. No.	22574	Seq. ID	OJ990915_16.9A18.C11
Gene No.	47008	Strand	+
Start	1444	End	3124
Name	OJ990915_16.9A18.C11.o1.ts	Method	TBLASTX:Soybean
Start	2761	End	3123

GI	none	Score	321
Exons	2761..3123, 2772..2978		

Seq. No.	22574	Seq. ID	OJ990915_16.9A18.C11
Gene No.	47008	Strand	+
Start	1444	End	3124
Name	OJ990915_16.9A18.C11.o1.tw	Method	TBLASTX:Wheat
Start	2920	End	3120
GI	none	Score	213
Exons	2920..3120, 2944..3120		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o1.np	Method	AAT/NAP
Start	1	End	1903
GI	4234852	Score	2194
Exons	1..1903		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o1.gs	Method	GENSCAN
Start	107	End	1906
GI	none	Score	.6
Exons	107..1906		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o1.ts	Method	TBLASTX:Soybean
Start	389	End	826
GI	5509260	Score	365
Exons	389..826, 478..750, 793..825		
GI Descrip.	-		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o1.tc	Method	TBLASTX:Cress
Start	476	End	736
GI	none	Score	249
Exons	476..736, 478..714		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o1.tw	Method	TBLASTX:Wheat
Start	517	End	1297
GI	none	Score	364
Exons	517..864, 518..862, 518..871, 847..1293, 848..1297		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o2.tm	Method	TBLASTX:Maize

Start	518	End	961
GI	none	Score	275
Exons	518..826, 535..825, 860..961		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o1.tm	Method	TBLASTX:Maize
Start	962	End	1393
GI	none	Score	81
Exons	962..1123, 1097..1393, 1237..1392		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o2.ts	Method	TBLASTX:Soybean
Start	1283	End	1849
GI	none	Score	131
Exons	1283..1465, 1474..1575, 1478..1669, 1658..1849		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o3.tm	Method	TBLASTX:Maize
Start	1406	End	1864
GI	none	Score	55
Exons	1406..1465, 1438..1458, 1447..1614, 1448..1624, 1673..1864		

Seq. No.	22575	Seq. ID	OJ990915_16.9A18.C12
Gene No.	47009	Strand	+
Start	1	End	1906
Name	OJ990915_16.9A18.C12.o2.tw	Method	TBLASTX:Wheat
Start	1449	End	1852
GI	none	Score	51
Exons	1449..1562, 1453..1686, 1457..1852		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47010	Strand	+
Start	112	End	290
Name	OJ990915_16.9A18.C13.o1.gs	Method	GENSCAN
Start	112	End	290
GI	none	Score	.91
Exons	112..290		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47011	Strand	+
Start	1007	End	7184
Name	OJ990915_16.9A18.C13.o2.gs	Method	GENSCAN
Start	1007	End	6861
GI	none	Score	.84
Exons	1007..1065, 2660..2926, 3102..3287, 3330..3462, 3576..3695, 4517..4945, 6175..6861		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47011	Strand	+
Start	1007	End	7184
Name	OJ990915_16.9A18.C13.o1.gp	Method	AAT/GAP

Start	3023	End	7184
GI	969_1.R1084	Score	3270
Exons	3023..3287, 4517..4945, 6175..7184		
GI Descrip.	'2499614/sp|Q40517|NTF3_TOBAC 1.0e-179 MITOGEN-ACTIVATED PROTEIN KINASE HOMOLOG NTF3 (P43) >gi_481830_pir__S39559 mitogen-activated protein kinase 3 homolog ntf3 - common tobacco >gi_406751_emb_CAA49592_ (X69971) NTF3 [Nicotiana tabacum]'		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47011	Strand	+
Start	1007	End	7184
Name	OJ990915_16.9A18.C13.o1.np	Method	AAT/NAP
Start	4523	End	6858
GI	6491800	Score	1920
Exons	4523..4945, 6175..6858		
GI Descrip.	(AJ251330) MAPK4 protein [Oryza sativa]		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47012	Strand	+
Start	12468	End	12967
Name	OJ990915_16.9A18.C13.o3.gp	Method	AAT/GAP
Start	12468	End	12967
GI	none	Score	873
Exons	12468..12967		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47013	Strand	-
Start	7656	End	8398
Name	OJ990915_16.9A18.C13.o2.np	Method	AAT/NAP
Start	7656	End	8328
GI	5869758	Score	276
Exons	7656..7688, 7901..8101, 8218..8328		
GI Descrip.	(X58827) AT-LS1 product [Arabidopsis thaliana]		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47013	Strand	-
Start	7656	End	8398
Name	OJ990915_16.9A18.C13.o2.gp	Method	AAT/GAP
Start	7983	End	8398
GI	1632694	Score	482
Exons	7983..8101, 8218..8398		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o1.tc	Method	TBLASTX:Cress
Start	4462	End	6840
GI	none	Score	241
Exons	4462..4890, 4520..4948, 4522..4821, 4524..4910, 4547..4945, 6162..6347, 6162..6773, 6167..6400, 6190..6837, 6214..6840		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o1.tm	Method	TBLASTX:Maize
Start	4485	End	6862
GI	none	Score	638

Exons	4485..4943, 4511..4948, 4522..4947, 6173..6394, 6174..6785, 6190..6861, 6199..6861, 6455..6862		
Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o2.ts	Method	TBLASTX:Soybean
Start	4517	End	4980
GI	none	Score	570
Exons	4517..4948, 4522..4821, 4562..4948, 4873..4980		
Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o1.tw	Method	TBLASTX:Wheat
Start	4597	End	6303
GI	none	Score	338
Exons	4597..4938, 4622..4948, 4625..4945, 6180..6296, 6190..6303, 6199..6300		
Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o1.ts	Method	TBLASTX:Soybean
Start	6165	End	6846
GI	none	Score	88
Exons	6165..6332, 6174..6488, 6182..6391, 6190..6492, 6492..6785, 6493..6846, 6496..6795		
Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o2.tw	Method	TBLASTX:Wheat
Start	6307	End	6537
GI	none	Score	261
Exons	6307..6477, 6316..6537, 6318..6527		
Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o2.tc	Method	TBLASTX:Cress
Start	7889	End	8328
GI	none	Score	79
Exons	7889..8101, 8176..8328		
Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o2.tm	Method	TBLASTX:Maize
Start	7889	End	8334
GI	none	Score	83
Exons	7889..8101, 8176..8334		
Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o3.tw	Method	TBLASTX:Wheat

Start	7889	End	8262
GI	none	Score	86
Exons	7889..8101, 7973..8104, 8176..8262		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o3.ts	Method	TBLASTX:Soybean
Start	7889	End	8329
GI	none	Score	51
Exons	7889..8101, 7953..7997, 7982..8101, 8173..8328, 8177..8329		

Seq. No.	22576	Seq. ID	OJ990915_16.9A18.C13
Gene No.	47014	Strand	-
Start	12566	End	13189
Name	OJ990915_16.9A18.C13.o4.gs	Method	GENSCAN
Start	12566	End	13189
GI	none	Score	.83
Exons	12566..13006, 13178..13189		

Seq. No.	22577	Seq. ID	OJ990915_16.9A18.C14
Gene No.	47015	Strand	+
Start	52	End	4184
Name	OJ990915_16.9A18.C14.o1.gs	Method	GENSCAN
Start	52	End	4184
GI	none	Score	.86
Exons	52..754, 1772..1936, 2085..2137, 3868..3905, 4033..4184		

Seq. No.	22577	Seq. ID	OJ990915_16.9A18.C14
Gene No.	47016	Strand	+
Start	4299	End	8513
Name	OJ990915_16.9A18.C14.o1.tw	Method	TBLASTX:Wheat
Start	194	End	486
GI	none	Score	69
Exons	194..256, 194..232, 236..424, 247..420, 286..486		

Seq. No.	22577	Seq. ID	OJ990915_16.9A18.C14
Gene No.	47016	Strand	+
Start	4299	End	8513
Name	OJ990915_16.9A18.C14.o2.gs	Method	GENSCAN
Start	4299	End	8484
GI	none	Score	.79
Exons	4299..4515, 4612..4743, 4837..4904, 5024..5088, 5276..5342, 5438..5725, 5803..5943, 6044..6295, 6726..6805, 6900..6993, 7536..7618, 8127..8484		

Seq. No.	22577	Seq. ID	OJ990915_16.9A18.C14
Gene No.	47016	Strand	+
Start	4299	End	8513
Name	OJ990915_16.9A18.C14.o1.np	Method	AAT/NAP
Start	4440	End	8513
GI	3927835	Score	1006
Exons	4440..4515, 4612..4743, 4837..4904, 5024..5088, 5276..5342, 5438..5725, 5803..5979, 6044..6295, 6726..6805, 6891..6993, 7536..7618, 8127..8278, 8312..8513		
GI Descrip.	(AC005727) putative para-aminobenzoate synthase and glutamine amidotransferase, a bifunctional enzyme [Arabidopsis thaliana]		

Seq. No.	22577	Seq. ID	OJ990915_16.9A18.C14
Gene No.	47016	Strand	+
Start	4299	End	8513
Name	OJ990915_16.9A18.C14.o1.ts	Method	TBLASTX:Soybean
Start	4452	End	5077
GI	none	Score	103
Exons	4452..4523, 4475..4564, 4629..4778, 4634..4753, 4835..4909, 4836..4904, 5021..5077		

Seq. No.	22578	Seq. ID	OJ990915_16.9A18.C15
Gene No.	47017	Strand	+
Start	115	End	646
Name	OJ990915_16.9A18.C15.o1.gs	Method	GENSCAN
Start	115	End	646
GI	none	Score	.55
Exons	115..646		

Seq. No.	22578	Seq. ID	OJ990915_16.9A18.C15
Gene No.	47017	Strand	+
Start	115	End	646
Name	OJ990915_16.9A18.C15.o1.np	Method	AAT/NAP
Start	115	End	607
GI	3927835	Score	630
Exons	115..607		
GI Descrip.	(AC005727) putative para-aminobenzoate synthase and glutamine amidotransferase, a bifunctional enzyme [Arabidopsis thaliana]		

Seq. No.	22578	Seq. ID	OJ990915_16.9A18.C15
Gene No.	47018	Strand	+
Start	1269	End	1505
Name	OJ990915_16.9A18.C15.o1.tm	Method	TBLASTX:Maize
Start	109	End	466
GI	none	Score	266
Exons	109..411, 110..466		

Seq. No.	22578	Seq. ID	OJ990915_16.9A18.C15
Gene No.	47018	Strand	+
Start	1269	End	1505
Name	OJ990915_16.9A18.C15.o2.gs	Method	GENSCAN
Start	1269	End	1505
GI	none	Score	.74
Exons	1269..1288, 1420..1505		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47019	Strand	+
Start	1	End	3998
Name	OJ990915_16.9A18.C16.o1.np	Method	AAT/NAP
Start	1	End	3998
GI	6598511	Score	741
Exons	1..128, 212..356, 496..620, 763..855, 948..998, 1103..1168, 1265..1330, 1431..1511, 1596..1673, 1736..1905, 2012..2118, 2228..2327, 2445..2652, 3979..3998		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47019	Strand	+

Start	1	End	3998
Name	OJ990915_16.9A18.C16.o1.gs	Method	GENSCAN
Start	206	End	2756
GI	none	Score	.72
Exons	206..356, 496..620, 826..855, 1265..1330, 1596..1676, 1723..1929, 2018..2093, 2200..2327, 2445..2756		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055
Name	OJ990915_16.9A18.C16.o2.ts	Method	TBLASTX:Soybean
Start	797	End	1661
GI	none	Score	42
Exons	797..838, 945..989, 947..1018, 1101..1166, 1102..1179, 1103..1165, 1255..1323, 1265..1324, 1428..1511, 1430..1510, 1593..1661		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055
Name	OJ990915_16.9A18.C16.o2.tm	Method	TBLASTX:Maize
Start	1051	End	2303
GI	none	Score	62
Exons	1051..1179, 1092..1151, 1093..1152, 1094..1165, 1265..1324, 1428..1532, 1439..1510, 1593..1661, 1595..1645, 2259..2303		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055
Name	OJ990915_16.9A18.C16.o2.tc	Method	TBLASTX:Cress
Start	1104	End	1661
GI	none	Score	87
Exons	1104..1157, 1111..1179, 1112..1165, 1265..1345, 1428..1511, 1430..1510, 1593..1661, 1595..1645		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055
Name	OJ990915_16.9A18.C16.o1.gp	Method	AAT/GAP
Start	3264	End	4055
GI	21459_1.R1084	Score	1147
Exons	3264..3604, 3690..3868, 3952..4055		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-100 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055
Name	OJ990915_16.9A18.C16.o1.tc	Method	TBLASTX:Cress
Start	3532	End	4054
GI	none	Score	147
Exons	3532..3606, 3668..3871, 3684..3881, 3689..3772, 3824..3871, 3944..4054, 3952..4053		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055

Name	OJ990915_16.9A18.C16.o1.tm	Method	TBLASTX:Maize
Start	3532	End	4055
GI	none	Score	44
Exons	3532..3606, 3535..3603, 3551..3613, 3668..3871, 3684..3881, 3689..3772, 3824..3871, 3932..4054, 3952..4053, 3975..4055		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055
Name	OJ990915_16.9A18.C16.o1.ts	Method	TBLASTX:Soybean
Start	3532	End	4054
GI	none	Score	57
Exons	3532..3606, 3551..3613, 3683..3871, 3689..3772, 3824..3871, 3932..4054, 3952..4053		

Seq. No.	22579	Seq. ID	OJ990915_16.9A18.C16
Gene No.	47020	Strand	-
Start	3264	End	4055
Name	OJ990915_16.9A18.C16.o2.np	Method	AAT/NAP
Start	3535	End	4055
GI	4512653	Score	455
Exons	3535..3604, 3690..3868, 3952..4055		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	22580	Seq. ID	OJ990915_16.9A18.C17
Gene No.	47021	Strand	-
Start	1	End	692
Name	OJ990915_16.9A18.C17.o1.gp	Method	AAT/GAP
Start	1	End	640
GI	21459_1.R1084	Score	486
Exons	1..105, 186..245, 543..640		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-100 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22580	Seq. ID	OJ990915_16.9A18.C17
Gene No.	47021	Strand	-
Start	1	End	692
Name	OJ990915_16.9A18.C17.o1.np	Method	AAT/NAP
Start	1	End	692
GI	4512653	Score	380
Exons	1..105, 186..239, 537..692		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	22580	Seq. ID	OJ990915_16.9A18.C17
Gene No.	47021	Strand	-
Start	1	End	692
Name	OJ990915_16.9A18.C17.o1.tc	Method	TBLASTX:Cress
Start	10	End	692
GI	none	Score	109
Exons	10..105, 11..103, 186..248, 186..245, 531..692, 535..690		

Seq. No.	22580	Seq. ID	OJ990915_16.9A18.C17
Gene No.	47021	Strand	-
Start	1	End	692
Name	OJ990915_16.9A18.C17.o1.ts	Method	TBLASTX:Soybean

Start	10	End	692
GI	none	Score	119
Exons	10..105, 11..106, 180..245, 187..246, 531..692, 535..687		

Seq. No.	22580	Seq. ID	OJ990915_16.9A18.C17
Gene No.	47021	Strand	-
Start	1	End	692
Name	OJ990915_16.9A18.C17.o1.tm	Method	TBLASTX:Maize
Start	178	End	692
GI	none	Score	67
Exons	178..246, 180..245, 199..246, 200..247, 524..673, 531..692, 534..674, 535..690		

Seq. No.	22580	Seq. ID	OJ990915_16.9A18.C17
Gene No.	47021	Strand	-
Start	1	End	692
Name	OJ990915_16.9A18.C17.o1.gs	Method	GENSCAN
Start	186	End	668
GI	none	Score	.69
Exons	186..245, 543..668		

Seq. No.	22581	Seq. ID	OJ990915_16.9A18.C18
Gene No.	47022	Strand	-
Start	1	End	759
Name	OJ990915_16.9A18.C18.o1.np	Method	AAT/NAP
Start	1	End	759
GI	4512653	Score	116
Exons	1..197, 734..759		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	22581	Seq. ID	OJ990915_16.9A18.C18
Gene No.	47022	Strand	-
Start	1	End	759
Name	OJ990915_16.9A18.C18.o1.tm	Method	TBLASTX:Maize
Start	81	End	232
GI	none	Score	161
Exons	81..200, 81..200, 83..232		

Seq. No.	22581	Seq. ID	OJ990915_16.9A18.C18
Gene No.	47022	Strand	-
Start	1	End	759
Name	OJ990915_16.9A18.C18.o1.gs	Method	GENSCAN
Start	84	End	197
GI	none	Score	.79
Exons	84..197		

Seq. No.	22582	Seq. ID	OJ990915_16.9A18.C19
Gene No.	47023	Strand	-
Start	1	End	2718
Name	OJ990915_16.9A18.C19.o1.gp	Method	AAT/GAP
Start	1	End	337
GI	LIB3474-008-P1-K1-E3	Score	454
Exons	1..162, 255..337		
GI Descrip.	'4512653/gb|AAD21708.1| 2.0e-39 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22582	Seq. ID	OJ990915_16.9A18.C19
Gene No.	47023	Strand	-
Start	1	End	2718
Name	OJ990915_16.9A18.C19.o1.tc	Method	TBLASTX:Cress
Start	1	End	544
GI	none	Score	107
Exons	1..180, 2..133, 13..201, 259..318, 431..544, 445..543		

Seq. No.	22582	Seq. ID	OJ990915_16.9A18.C19
Gene No.	47023	Strand	-
Start	1	End	2718
Name	OJ990915_16.9A18.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	357
GI	none	Score	108
Exons	1..96, 2..109, 91..180, 98..181, 249..356, 259..357		

Seq. No.	22582	Seq. ID	OJ990915_16.9A18.C19
Gene No.	47023	Strand	-
Start	1	End	2718
Name	OJ990915_16.9A18.C19.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2442
GI	none	Score	129
Exons	1..180, 2..181, 262..309, 445..585, 446..586, 446..589, 477..590, 517..612, 676..783, 677..784, 678..782, 800..955, 842..949, 847..960, 847..963, 1054..1146, 1056..1163, 1369..1440, 1537..1647, 1544..1642, 1738..1824, 1739..1825, 1917..1979, 1931..1990, 2358..2438, 2359..2442		

Seq. No.	22582	Seq. ID	OJ990915_16.9A18.C19
Gene No.	47023	Strand	-
Start	1	End	2718
Name	OJ990915_16.9A18.C19.o1.np	Method	AAT/NAP
Start	1	End	2718
GI	4512653	Score	1033
Exons	1..162, 249..359, 445..585, 677..781, 847..954, 1062..1220, 1369..1449, 1531..1639, 1742..1824, 1940..1978, 2370..2439, 2684..2718		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	22582	Seq. ID	OJ990915_16.9A18.C19
Gene No.	47023	Strand	-
Start	1	End	2718
Name	OJ990915_16.9A18.C19.o1.gs	Method	GENSCAN
Start	255	End	2435
GI	none	Score	.94
Exons	255..359, 445..585, 677..781, 847..954, 1062..1220, 1369..1449, 1528..1639, 1742..1824, 1940..1978, 2370..2435		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47024	Strand	+
Start	4558	End	7294
Name	OJ990915_16.9A18.C20.o2.gs	Method	GENSCAN
Start	4558	End	7177
GI	none	Score	.49
Exons	4558..4748, 6021..6230, 6735..6843, 6928..7177		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47024	Strand	+
Start	4558	End	7294
Name	OJ990915_16.9A18.C20.o2.np	Method	AAT/NAP
Start	6064	End	7294
GI	4938478	Score	762
Exons	6064..6230, 6699..6843, 6928..7294		
GI Descrip.	(AL078464) proteinase-like protein [Arabidopsis thaliana]		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47025	Strand	-
Start	1	End	2109
Name	OJ990915_16.9A18.C20.o1.np	Method	AAT/NAP
Start	1	End	1963
GI	4512653	Score	415
Exons	1..112, 438..505, 733..792, 878..998, 1636..1736, 1823..1963		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47025	Strand	-
Start	1	End	2109
Name	OJ990915_16.9A18.C20.o1.gs	Method	GENSCAN
Start	70	End	1963
GI	none	Score	.89
Exons	70..112, 438..505, 733..792, 878..998, 1636..1736, 1823..1963		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47025	Strand	-
Start	1	End	2109
Name	OJ990915_16.9A18.C20.o2.ts	Method	TBLASTX:Soybean
Start	70	End	1736
GI	none	Score	71
Exons	70..114, 437..508, 718..798, 719..793, 878..1000, 879..1004, 1635..1736		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47025	Strand	-
Start	1	End	2109
Name	OJ990915_16.9A18.C20.o1.gp	Method	AAT/GAP
Start	878	End	2109
GI	uC-osroM202001e08b1	Score	952
Exons	878..998, 1636..1736, 1823..2109		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-24 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47026	Strand	
Start	6018	End	6250
Name	OJ990915_16.9A18.C20.o2.tm	Method	TBLASTX:Maize
Start	6018	End	6250
GI	none	Score	46
Exons	6018..6230, 6052..6096, 6079..6228, 6098..6250		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47027	Strand	
Start	6926	End	7292

Name	OJ990915_16.9A18.C20.o1.tm	Method	TBLASTX:Maize
Start	6926	End	7092
GI	none	Score	166
Exons	6926..7081, 6927..7082, 6927..7091, 6928..7092		

Seq. No.	22583	Seq. ID	OJ990915_16.9A18.C20
Gene No.	47027	Strand	
Start	6926	End	7292
Name	OJ990915_16.9A18.C20.o1.ts	Method	TBLASTX:Soybean
Start	6930	End	7292
GI	none	Score	485
Exons	6930..7292, 6931..7290		

Seq. No.	22584	Seq. ID	OJ990915_16.9A18.C21
Gene No.	47028	Strand	+
Start	167	End	1396
Name	OJ990915_16.9A18.C21.o1.gs	Method	GENSCAN
Start	167	End	1045
GI	none	Score	.76
Exons	167..239, 376..772, 972..1045		

Seq. No.	22584	Seq. ID	OJ990915_16.9A18.C21
Gene No.	47028	Strand	+
Start	167	End	1396
Name	OJ990915_16.9A18.C21.o1.np	Method	AAT/NAP
Start	167	End	1396
GI	3176726	Score	442
Exons	167..239, 487..811, 1362..1396		
GI Descrip.	(AC002392) putative serine protease [Arabidopsis thaliana]		

Seq. No.	22584	Seq. ID	OJ990915_16.9A18.C21
Gene No.	47028	Strand	+
Start	167	End	1396
Name	OJ990915_16.9A18.C21.o1.gp	Method	AAT/GAP
Start	600	End	999
GI	LIB3475-001-P1-K2-A5	Score	331
Exons	600..776, 929..999		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	22584	Seq. ID	OJ990915_16.9A18.C21
Gene No.	47029	Strand	-
Start	1097	End	1396
Name	OJ990915_16.9A18.C21.o1.tm	Method	TBLASTX:Maize
Start	165	End	793
GI	none	Score	119
Exons	165..239, 165..239, 166..240, 169..240, 451..771, 475..768, 485..769, 486..770, 602..793		

Seq. No.	22584	Seq. ID	OJ990915_16.9A18.C21
Gene No.	47029	Strand	-
Start	1097	End	1396
Name	OJ990915_16.9A18.C21.o1.ts	Method	TBLASTX:Soybean
Start	165	End	721
GI	none	Score	110
Exons	165..239, 451..720, 486..719, 602..721		

Seq. No.	22584	Seq. ID	OJ990915_16.9A18.C21
Gene No.	47029	Strand	-
Start	1097	End	1396
Name	OJ990915_16.9A18.C21.o2.np	Method	AAT/NAP
Start	1097	End	1396
GI	6815099	Score	88
Exons	1097..1396		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	22585	Seq. ID	OJ990915_16.9A18.C22
Gene No.	47030	Strand	+
Start	1	End	955
Name	OJ990915_16.9A18.C22.o1.np	Method	AAT/NAP
Start	1	End	955
GI	3176726	Score	313
Exons	1..32, 569..955		
GI Descrip.	(AC002392) putative serine protease [Arabidopsis thaliana]		

Seq. No.	22585	Seq. ID	OJ990915_16.9A18.C22
Gene No.	47030	Strand	+
Start	1	End	955
Name	OJ990915_16.9A18.C22.o1.ts	Method	TBLASTX:Soybean
Start	571	End	876
GI	none	Score	351
Exons	571..861, 590..868, 599..865, 679..876		

Seq. No.	22585	Seq. ID	OJ990915_16.9A18.C22
Gene No.	47030	Strand	+
Start	1	End	955
Name	OJ990915_16.9A18.C22.o1.gs	Method	GENSCAN
Start	593	End	860
GI	none	Score	.61
Exons	593..860		

Seq. No.	22585	Seq. ID	OJ990915_16.9A18.C22
Gene No.	47030	Strand	+
Start	1	End	955
Name	OJ990915_16.9A18.C22.o1.tm	Method	TBLASTX:Maize
Start	613	End	865
GI	none	Score	200
Exons	613..861, 635..865		

Seq. No.	22585	Seq. ID	OJ990915_16.9A18.C22
Gene No.	47030	Strand	+
Start	1	End	955
Name	OJ990915_16.9A18.C22.o1.tw	Method	TBLASTX:Wheat
Start	642	End	865
GI	none	Score	150
Exons	642..845, 642..860, 643..861, 644..865		

Seq. No.	22585	Seq. ID	OJ990915_16.9A18.C22
Gene No.	47030	Strand	+
Start	1	End	955
Name	OJ990915_16.9A18.C22.o1.tc	Method	TBLASTX:Cress
Start	694	End	870
GI	none	Score	226
Exons	694..861, 695..865, 750..863, 760..870		

Seq. No.	22585	Seq. ID	OJ990915_16.9A18.C22
Gene No.	47030	Strand	+
Start	1	End	955
Name	OJ990915_16.9A18.C22.o1.gp	Method	AAT/GAP
Start	712	End	872
GI	3106804	Score	283
Exons	712..872		
GI Descrip.	4938478/emb|CAB43837.1| 6.0e-48 (AL078464) proteinase-like protein [Arabidopsis thaliana]		

Seq. No.	22586	Seq. ID	OJ990915_16.9A18.C23
Gene No.	47031	Strand	+
Start	124	End	430
Name	OJ990915_16.9A18.C23.o1.gs	Method	GENSCAN
Start	124	End	430
GI	none	Score	.71
Exons	124..169, 360..430		

Seq. No.	22587	Seq. ID	OJ990915_16.9A18.C24
Gene No.	47032	Strand	+
Start	165	End	1177
Name	OJ990915_16.9A18.C24.o1.tm	Method	TBLASTX:Maize
Start	163	End	929
GI	none	Score	107
Exons	163..240, 163..234, 313..387, 326..394, 478..525, 857..925, 858..929		

Seq. No.	22587	Seq. ID	OJ990915_16.9A18.C24
Gene No.	47032	Strand	+
Start	165	End	1177
Name	OJ990915_16.9A18.C24.o1.gs	Method	GENSCAN
Start	165	End	1168
GI	none	Score	.8
Exons	165..239, 315..389, 477..524, 860..928, 1006..1168		

Seq. No.	22587	Seq. ID	OJ990915_16.9A18.C24
Gene No.	47032	Strand	+
Start	165	End	1177
Name	OJ990915_16.9A18.C24.o1.np	Method	AAT/NAP
Start	165	End	1177
GI	3885340	Score	260
Exons	165..239, 315..389, 477..524, 817..928, 1006..1177		
GI Descrip.	(AC005623) unknown protein [Arabidopsis thaliana]		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47033	Strand	+
Start	1	End	1953
Name	OJ990915_16.9A18.C25.o1.gp	Method	AAT/GAP
Start	1	End	1184
GI	LIB3433-051-P1-K1-G7	Score	845
Exons	1..326, 405..453, 1092..1184		
GI Descrip.	'4938478/emb|CAB43837.1| 6.0e-48 (AL078464) proteinase-like protein [Arabidopsis thaliana]'		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47033	Strand	+

Start	1	End	1953
Name	OJ990915_16.9A18.C25.o1.np	Method	AAT/NAP
Start	1	End	1950
GI	3885340	Score	717
Exons	1..326, 405..453, 1086..1327, 1413..1503, 1540..1607, 1893..1950		
GI Descrip.	(AC005623) unknown protein [Arabidopsis thaliana]		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47033	Strand	+
Start	1	End	1953
Name	OJ990915_16.9A18.C25.o1.gs	Method	GENSCAN
Start	85	End	1953
GI	none	Score	.98
Exons	85..326, 405..453, 1092..1327, 1413..1607, 1893..1953		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47034	Strand	-
Start	1885	End	2155
Name	OJ990915_16.9A18.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	1242
GI	none	Score	447
Exons	1..324, 1..330, 27..326, 403..459, 404..460, 405..458, 1090..1242		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47034	Strand	-
Start	1885	End	2155
Name	OJ990915_16.9A18.C25.o1.ts	Method	TBLASTX:Soybean
Start	133	End	444
GI	none	Score	306
Exons	133..324, 138..326, 150..326, 402..440, 403..444, 405..443		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47034	Strand	-
Start	1885	End	2155
Name	OJ990915_16.9A18.C25.o1.tc	Method	TBLASTX:Cress
Start	196	End	1956
GI	none	Score	195
Exons	196..324, 198..326, 403..453, 405..452, 1101..1163, 1272..1328, 1299..1328, 1413..1448, 1414..1443, 1567..1593, 1909..1956		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47034	Strand	-
Start	1885	End	2155
Name	OJ990915_16.9A18.C25.o2.tm	Method	TBLASTX:Maize
Start	1243	End	1953
GI	none	Score	116
Exons	1243..1326, 1248..1328, 1387..1605, 1414..1476, 1424..1606, 1425..1610, 1878..1952, 1891..1953		

Seq. No.	22588	Seq. ID	OJ990915_16.9A18.C25
Gene No.	47034	Strand	-
Start	1885	End	2155
Name	OJ990915_16.9A18.C25.o2.gp	Method	AAT/GAP
Start	1885	End	2155
GI	3107137	Score	485
Exons	1885..2155		

Seq. No.	22589	Seq. ID	OJ990915_16.9A18.C26
Gene No.	47035	Strand	+
Start	1	End	602
Name	OJ990915_16.9A18.C26.o1.np	Method	AAT/NAP
Start	1	End	581
GI	4938478	Score	391
Exons	1..57, 166..581		
GI Descrip.	(AL078464) proteinase-like protein [Arabidopsis thaliana]		

Seq. No.	22589	Seq. ID	OJ990915_16.9A18.C26
Gene No.	47035	Strand	+
Start	1	End	602
Name	OJ990915_16.9A18.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	602
GI	none	Score	90
Exons	2..58, 3..59, 123..581, 142..309, 168..395, 179..583, 293..583, 438..602		

Seq. No.	22589	Seq. ID	OJ990915_16.9A18.C26
Gene No.	47035	Strand	+
Start	1	End	602
Name	OJ990915_16.9A18.C26.o1.tc	Method	TBLASTX:Cress
Start	18	End	578
GI	none	Score	55
Exons	18..56, 168..224, 270..578, 284..571		

Seq. No.	22589	Seq. ID	OJ990915_16.9A18.C26
Gene No.	47035	Strand	+
Start	1	End	602
Name	OJ990915_16.9A18.C26.o1.ts	Method	TBLASTX:Soybean
Start	147	End	578
GI	none	Score	51
Exons	147..224, 273..365, 359..571, 360..578		

Seq. No.	22590	Seq. ID	OJ990325_03.9A14.C1
Gene No.	47036	Strand	-
Start	73	End	206
Name	OJ990325_03.9A14.C1.o1.gs	Method	GENSCAN
Start	73	End	206
GI	none	Score	.85
Exons	73..206		

Seq. No.	22591	Seq. ID	OJ990325_03.9A14.C2
Gene No.	47037	Strand	+
Start	207	End	392
Name	OJ990325_03.9A14.C2.o1.gp	Method	AAT/GAP
Start	207	End	392
GI	49939_1.R1084	Score	330
Exons	207..392		
GI Descrip.	'854361/emb|CAA41685.1| 3.0e-51 (X58877) beta-glucanase [Oryza sativa]'		

Seq. No.	22592	Seq. ID	OJ990325_03.9A14.C7
Gene No.	47038	Strand	-
Start	208	End	313
Name	OJ990325_03.9A14.C7.o1.np	Method	AAT/NAP

Start	208	End	313
GI	6721561	Score	77
Exons	208..313		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	22593	Seq. ID	OJ990325_03.9A14.C9
Gene No.	47039	Strand	-
Start	17	End	350
Name	OJ990325_03.9A14.C9.o1.gs	Method	GENSCAN
Start	17	End	350
GI	none	Score	.8
Exons	17..134, 223..350		

Seq. No.	22594	Seq. ID	OJ990325_03.9A14.C11
Gene No.	47040	Strand	-
Start	1	End	147
Name	OJ990325_03.9A14.C11.o1.np	Method	AAT/NAP
Start	1	End	147
GI	6539585	Score	206
Exons	1..147		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	22595	Seq. ID	OJ990325_03.9A14.C13
Gene No.	47041	Strand	-
Start	228	End	491
Name	OJ990325_03.9A14.C13.o1.gs	Method	GENSCAN
Start	228	End	491
GI	none	Score	.41
Exons	228..491		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47042	Strand	+
Start	195	End	1948
Name	OJ990325_03.9A14.C14.o1.gs	Method	GENSCAN
Start	195	End	1948
GI	none	Score	.57
Exons	195..338, 1389..1617, 1758..1948		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o2.np	Method	AAT/NAP
Start	1	End	22036
GI	2462052	Score	66
Exons	1..38, 2738..2812, 2939..3026, 22005..22036		
GI Descrip.	(Y12080) SIS1 protein [Cryptococcus curvatus]		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o2.tw	Method	TBLASTX:Wheat
Start	35	End	235
GI	none	Score	209

Exons	35..235, 113..235		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o2.gs	Method	GENSCAN
Start	1995	End	16618
GI	none	Score	.76
Exons	1995..2189, 2738..2875, 2948..3026, 3543..3766, 3916..4122, 4593..4662, 4761..4966, 5080..5232, 5655..6782, 8107..8166, 9131..9260, 9897..10136, 10272..12593, 12673..13458, 15580..15629, 15848..16024, 16256..16378, 16532..16618		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o4.tm	Method	TBLASTX:Maize
Start	2047	End	3984
GI	none	Score	59
Exons	2047..2085, 2055..2084, 2094..2147, 2145..2192, 2152..2190, 2723..2878, 2738..2914, 2945..3025, 2948..3025, 2949..3026, 3537..3749, 3538..3768, 3542..3769, 3912..3983, 3916..3984, 3916..3984		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o1.np	Method	AAT/NAP
Start	2701	End	19590
GI	2618687	Score	875
Exons	2701..2875, 2948..3026, 3543..3766, 3916..4122, 5080..5232, 9131..9260, 9897..10136, 10272..10320, 10363..10623, 10915..11479, 19531..19590		
GI Descrip.	(AC002510) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o2.tc	Method	TBLASTX:Cress
Start	3916	End	10141
GI	none	Score	137
Exons	3916..4122, 3935..4093, 3957..4154, 9920..10021, 10073..10141		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o7.tm	Method	TBLASTX:Maize
Start	4761	End	5107
GI	none	Score	151
Exons	4761..4916, 4763..4909, 4901..4972, 4902..4967, 5081..5107		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o2.tm	Method	TBLASTX:Maize
Start	5492	End	6067
GI	none	Score	143

Exons	5492..5647, 5673..6044, 5686..6009, 5876..6067		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o1.tw	Method	TBLASTX:Wheat
Start	5597	End	5949
GI	none	Score	63
Exons	5597..5647, 5760..5945, 5760..5945, 5776..5949		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o6.tm	Method	TBLASTX:Maize
Start	6069	End	6306
GI	none	Score	93
Exons	6069..6305, 6070..6306		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o3.tm	Method	TBLASTX:Maize
Start	6342	End	6761
GI	none	Score	241
Exons	6342..6761, 6343..6759		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o3.tw	Method	TBLASTX:Wheat
Start	6444	End	6764
GI	none	Score	117
Exons	6444..6572, 6582..6764		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o1.gp	Method	AAT/GAP
Start	9897	End	10050
GI	15592_2.R1084	Score	287
Exons	9897..10050		
GI Descrip.	'2618687 2.0e-14 (AC002510) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o3.gs	Method	GENSCAN
Start	17644	End	24541
GI	none	Score	.58
Exons	17644..18129, 18522..18912, 22739..22951, 23036..23298, 23400..23660, 23744..23871, 23950..24541		
Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o3.np	Method	AAT/NAP

Start	22568	End	25655
GI	2618686	Score	1564
Exons	22568..22951, 23036..23298, 23400..23660, 23744..23871, 23950..24457, 25617..25655		
GI Descrip.	(AC002510) putative cytokinin oxidase [Arabidopsis thaliana]		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o3.tc	Method	TBLASTX:Cress
Start	22633	End	22969
GI	none	Score	133
Exons	22633..22911, 22634..22834, 22847..22969, 22876..22953, 22895..22960		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o1.ts	Method	TBLASTX:Soybean
Start	22657	End	23876
GI	none	Score	184
Exons	22657..22911, 22658..22858, 22864..22953, 22877..22951, 23033..23299, 23035..23301, 23400..23660, 23413..23598, 23462..23677, 23721..23876, 23741..23872		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o1.tm	Method	TBLASTX:Maize
Start	22726	End	23624
GI	none	Score	134
Exons	22726..22857, 22726..22884, 22879..22953, 22880..22951, 23033..23317, 23035..23301, 23151..23321, 23398..23592, 23400..23624, 23400..23624		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o2.gp	Method	AAT/GAP
Start	22774	End	23277
GI	LIB3431-043-P1-K1-D1	Score	971
Exons	22774..23277		
GI Descrip.	'2618686 5.0e-39 (AC002510) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o4.tc	Method	TBLASTX:Cress
Start	23032	End	23304
GI	none	Score	85
Exons	23032..23073, 23074..23304, 23098..23241, 23099..23242		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o1.tc	Method	TBLASTX:Cress

Start	23502	End	24128
GI	none	Score	152
Exons	23502..23579, 23592..23663, 23733..23903, 23739..23828, 23741..23872, 23938..24090, 23939..24121, 23940..24110, 23982..24128		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o3.ts	Method	TBLASTX:Soybean
Start	23930	End	24151
GI	none	Score	156
Exons	23930..24091, 23937..24083, 24104..24151		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o2.ts	Method	TBLASTX:Soybean
Start	24203	End	24454
GI	none	Score	76
Exons	24203..24400, 24209..24346, 24231..24392, 24395..24454		

Seq. No.	22596	Seq. ID	OJ990325_03.9A14.C14
Gene No.	47043	Strand	-
Start	1	End	25655
Name	OJ990325_03.9A14.C14.o5.tm	Method	TBLASTX:Maize
Start	24276	End	24479
GI	none	Score	210
Exons	24276..24479, 24281..24478		

Seq. No.	22597	Seq. ID	OJ990325_03.9A14.C15
Gene No.	47044	Strand	+
Start	769	End	893
Name	OJ990325_03.9A14.C15.o1.gs	Method	GENSCAN
Start	769	End	893
GI	none	Score	.63
Exons	769..893		

Seq. No.	22597	Seq. ID	OJ990325_03.9A14.C15
Gene No.	47045	Strand	-
Start	1547	End	1681
Name	OJ990325_03.9A14.C15.o2.gs	Method	GENSCAN
Start	1547	End	1681
GI	none	Score	.47
Exons	1547..1681		

Seq. No.	22598	Seq. ID	OJ990325_03.9A14.C16
Gene No.	47046	Strand	-
Start	326	End	468
Name	OJ990325_03.9A14.C16.o1.gs	Method	GENSCAN
Start	326	End	468
GI	none	Score	.79
Exons	326..468		

Seq. No.	22599	Seq. ID	OJ990325_03.9A14.C17
Gene No.	47047	Strand	-
Start	607	End	750

Name	OJ990325_03.9A14.C17.o1.gs	Method	GENSCAN
Start	607	End	750
GI	none	Score	.54
Exons	607..750		

Seq. No.	22599	Seq. ID	OJ990325_03.9A14.C17
Gene No.	47048	Strand	-
Start	1397	End	1539
Name	OJ990325_03.9A14.C17.o2.gs	Method	GENSCAN
Start	1397	End	1539
GI	none	Score	.45
Exons	1397..1539		

Seq. No.	22600	Seq. ID	OJ990325_03.9A14.C18
Gene No.	47049	Strand	+
Start	56	End	1938
Name	OJ990325_03.9A14.C18.o1.gs	Method	GENSCAN
Start	56	End	1938
GI	none	Score	.67
Exons	56..186, 256..474, 551..724, 903..941, 1047..1172, 1264..1380, 1807..1938		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47050	Strand	+
Start	210	End	851
Name	OJ990325_03.9A14.C19.o1.gs	Method	GENSCAN
Start	210	End	851
GI	none	Score	.48
Exons	210..326, 693..851		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47051	Strand	-
Start	2136	End	3458
Name	OJ990325_03.9A14.C19.o1.gp	Method	AAT/GAP
Start	1697	End	2215
GI	none	Score	838
Exons	1697..1940, 2019..2215		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47051	Strand	-
Start	2136	End	3458
Name	OJ990325_03.9A14.C19.o2.gs	Method	GENSCAN
Start	2136	End	3458
GI	none	Score	1
Exons	2136..3458		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47051	Strand	-
Start	2136	End	3458
Name	OJ990325_03.9A14.C19.o1.np	Method	AAT/NAP
Start	2154	End	3455
GI	549010	Score	1804
Exons	2154..3455		
GI Descrip.	EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172|		

(X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130) euka

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47051	Strand	-
Start	2136	End	3458
Name	OJ990325_03.9A14.C19.o2.gp	Method	AAT/GAP
Start	2722	End	3205
GI	34805_1.R1084	Score	968
Exons	2722..3205		
GI Descrip.	'549010/sp|P35614|ERF1_ARATH 2.0e-79 EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) >gi_322554_pir__S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana >gi_16514_emb_CAA49172_ (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] >gi_1402882_emb_C'		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47052	Strand	-
Start	4548	End	6170
Name	OJ990325_03.9A14.C19.o3.gs	Method	GENSCAN
Start	4548	End	6170
GI	none	Score	.67
Exons	4548..4552, 4723..4810, 5048..5161, 5311..5402, 5697..5925, 6009..6170		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o3.tw	Method	TBLASTX:Wheat
Start	2032	End	2378
GI	none	Score	72
Exons	2032..2073, 2033..2089, 2034..2069, 2062..2112, 2063..2110, 2120..2356, 2121..2363, 2208..2378, 2248..2376		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o1.tc	Method	TBLASTX:Cress
Start	2136	End	3446
GI	none	Score	773
Exons	2136..3446, 2206..2301, 2211..3443		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o1.tm	Method	TBLASTX:Maize
Start	2172	End	3462
GI	none	Score	814
Exons	2172..3461, 2206..2340, 2211..3461, 3016..3462		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o1.ts	Method	TBLASTX:Soybean

Start	2184	End	3462
GI	none	Score	800
Exons	2184..3458, 2206..2397, 2211..3458, 3016..3462		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o1.tw	Method	TBLASTX:Wheat
Start	2533	End	2984
GI	none	Score	301
Exons	2533..2829, 2535..2984, 2893..2934		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o2.tw	Method	TBLASTX:Wheat
Start	5309	End	8366
GI	none	Score	223
Exons	5309..5368, 7903..8229, 7905..8228, 7931..8230, 7999..8232, 8319..8366, 8322..8363		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o3.gp	Method	AAT/GAP
Start	7705	End	8366
GI	3837_1.R1084	Score	1094
Exons	7705..8229, 8322..8366		
GI Descrip.	'4539408/emb|CAB40041.1| 3.0e-49 (AL049524) putative alpha NAC [Arabidopsis thaliana]'		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o2.ts	Method	TBLASTX:Soybean
Start	7853	End	8366
GI	none	Score	147
Exons	7853..8023, 7894..8229, 7908..8228, 7931..8230, 8002..8232, 8319..8363, 8322..8366		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o2.tm	Method	TBLASTX:Maize
Start	7858	End	8363
GI	none	Score	73
Exons	7858..7947, 7888..8049, 7896..8048, 8035..8226, 8035..8229, 8072..8230, 8319..8363, 8319..8363		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o2.tc	Method	TBLASTX:Cress
Start	7894	End	8363
GI	none	Score	94
Exons	7894..8076, 7931..8002, 8050..8229, 8075..8230, 8319..8363, 8322..8363		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.g4.gs	Method	GENSCAN
Start	7894	End	8229
GI	none	Score	.99
Exons	7894..8229		

Seq. No.	22601	Seq. ID	OJ990325_03.9A14.C19
Gene No.	47053	Strand	-
Start	7894	End	8426
Name	OJ990325_03.9A14.C19.o2.np	Method	AAT/NAP
Start	7897	End	8426
GI	6752882	Score	489
Exons	7897..8229, 8322..8426		
GI Descrip.	(AF220200) nascent polypeptide associated complex alpha chain [Pinus taeda]		

Seq. No.	22602	Seq. ID	OJ990325_03.9A14.C20
Gene No.	47054	Strand	+
Start	291	End	362
Name	OJ990325_03.9A14.C20.o1.np	Method	AAT/NAP
Start	291	End	362
GI	4680183	Score	48
Exons	291..362		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22603	Seq. ID	OJ990325_03.9A14.C24
Gene No.	47055	Strand	+
Start	158	End	261
Name	OJ990325_03.9A14.C24.o1.gs	Method	GENSCAN
Start	158	End	261
GI	none	Score	.44
Exons	158..261		

Seq. No.	22604	Seq. ID	OJ990325_03.9A14.C25
Gene No.	47056	Strand	+
Start	160	End	249
Name	OJ990325_03.9A14.C25.o1.gs	Method	GENSCAN
Start	160	End	249
GI	none	Score	.46
Exons	160..249		

Seq. No.	22605	Seq. ID	OJ990325_03.9A14.C27
Gene No.	47057	Strand	-
Start	167	End	298
Name	OJ990325_03.9A14.C27.o1.gs	Method	GENSCAN
Start	167	End	298
GI	none	Score	.41
Exons	167..298		

Seq. No.	22606	Seq. ID	OJ990325_03.9A14.C31
Gene No.	47058	Strand	+
Start	176	End	435
Name	OJ990325_03.9A14.C31.o1.gs	Method	GENSCAN
Start	176	End	435

GI	none	Score	.42
Exons	176..435		

Seq. No.	22607	Seq. ID	OJ990325_03.9A14.C33
Gene No.	47059	Strand	+
Start	1	End	347
Name	OJ990325_03.9A14.C33.o1.np	Method	AAT/NAP
Start	1	End	347
GI	2618686	Score	228
Exons	1..347		
GI Descrip.	(AC002510) putative cytokinin oxidase [Arabidopsis thaliana]		

Seq. No.	22607	Seq. ID	OJ990325_03.9A14.C33
Gene No.	47059	Strand	+
Start	1	End	347
Name	OJ990325_03.9A14.C33.o1.gp	Method	AAT/GAP
Start	62	End	141
GI	LIB3431-043-P1-K1-D1	Score	134
Exons	62..141		
GI Descrip.	'2618686 5.0e-39 (AC002510) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22607	Seq. ID	OJ990325_03.9A14.C33
Gene No.	47059	Strand	+
Start	1	End	347
Name	OJ990325_03.9A14.C33.o1.ts	Method	TBLASTX:Soybean
Start	64	End	258
GI	none	Score	248
Exons	64..258, 72..257		

Seq. No.	22607	Seq. ID	OJ990325_03.9A14.C33
Gene No.	47059	Strand	+
Start	1	End	347
Name	OJ990325_03.9A14.C33.o1.tc	Method	TBLASTX:Cress
Start	67	End	282
GI	none	Score	212
Exons	67..282, 81..281		

Seq. No.	22608	Seq. ID	OJ990325_03.9A14.C35
Gene No.	47060	Strand	+
Start	1	End	439
Name	OJ990325_03.9A14.C35.o1.np	Method	AAT/NAP
Start	1	End	439
GI	6069646	Score	263
Exons	1..439		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22608	Seq. ID	OJ990325_03.9A14.C35
Gene No.	47060	Strand	+
Start	1	End	439
Name	OJ990325_03.9A14.C35.o1.tm	Method	TBLASTX:Maize
Start	144	End	438
GI	none	Score	57

Exons	144..401, 175..414, 182..244, 241..438		
Seq. No.	22609	Seq. ID	OJ990325_03.9A14.C36
Gene No.	47061	Strand	-
Start	69	End	1157
Name	OJ990325_03.9A14.C36.o1.np	Method	AAT/NAP
Start	69	End	1157
GI	6466937	Score	656
Exons	69..1157		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	22609	Seq. ID	OJ990325_03.9A14.C36
Gene No.	47061	Strand	-
Start	69	End	1157
Name	OJ990325_03.9A14.C36.o1.tm	Method	TBLASTX:Maize
Start	168	End	828
GI	none	Score	88
Exons	168..356, 169..321, 390..668, 424..726, 784..828		
Seq. No.	22609	Seq. ID	OJ990325_03.9A14.C36
Gene No.	47061	Strand	-
Start	69	End	1157
Name	OJ990325_03.9A14.C36.o2.tw	Method	TBLASTX:Wheat
Start	207	End	578
GI	none	Score	94
Exons	207..329, 207..407, 540..578		
Seq. No.	22609	Seq. ID	OJ990325_03.9A14.C36
Gene No.	47061	Strand	-
Start	69	End	1157
Name	OJ990325_03.9A14.C36.o1.gs	Method	GENSCAN
Start	357	End	803
GI	none	Score	.71
Exons	357..803		
Seq. No.	22609	Seq. ID	OJ990325_03.9A14.C36
Gene No.	47061	Strand	-
Start	69	End	1157
Name	OJ990325_03.9A14.C36.o1.tw	Method	TBLASTX:Wheat
Start	591	End	1155
GI	none	Score	85
Exons	591..752, 793..1155, 923..1081		
Seq. No.	22609	Seq. ID	OJ990325_03.9A14.C36
Gene No.	47061	Strand	-
Start	69	End	1157
Name	OJ990325_03.9A14.C36.o2.tm	Method	TBLASTX:Maize
Start	829	End	1155
GI	none	Score	183
Exons	829..1155, 833..1135, 922..1137		
Seq. No.	22609	Seq. ID	OJ990325_03.9A14.C36
Gene No.	47061	Strand	-
Start	69	End	1157
Name	OJ990325_03.9A14.C36.o1.ts	Method	TBLASTX:Soybean
Start	907	End	1156

GI	none	Score	57
Exons	907..945, 931..1008, 938..1009, 1019..1156, 1021..1155		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o1.np	Method	AAT/NAP
Start	1	End	4833
GI	6466937	Score	1656
Exons	1..3232, 4732..4833		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o2.np	Method	AAT/NAP
Start	1	End	4814
GI	6466937	Score	1649
Exons	1..3306, 4781..4814		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o3.tm	Method	TBLASTX:Maize
Start	49	End	323
GI	none	Score	70
Exons	49..180, 54..323		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o2.tw	Method	TBLASTX:Wheat
Start	51	End	443
GI	none	Score	44
Exons	51..443, 52..156, 141..422		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o3.ts	Method	TBLASTX:Soybean
Start	141	End	557
GI	none	Score	100
Exons	141..461, 459..557		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o1.gs	Method	GENSCAN
Start	162	End	5061
GI	none	Score	.44
Exons	162..1102, 1495..1803, 2662..3617, 4105..4242, 4292..4320, 4635..4712, 4783..5061		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37

Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o5.tm	Method	TBLASTX:Maize
Start	324	End	638
GI	none	Score	42
Exons	324..638, 325..423, 471..623		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o2.tm	Method	TBLASTX:Maize
Start	593	End	1163
GI	none	Score	34
Exons	593..613, 639..929, 655..849, 904..999, 912..1163, 913..1161		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o1.ts	Method	TBLASTX:Soybean
Start	912	End	1247
GI	none	Score	287
Exons	912..1247		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o3.tw	Method	TBLASTX:Wheat
Start	997	End	1250
GI	none	Score	87
Exons	997..1248, 1008..1250, 1017..1250		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o1.tm	Method	TBLASTX:Maize
Start	1182	End	1660
GI	none	Score	168
Exons	1182..1244, 1253..1660, 1266..1652		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o1.tc	Method	TBLASTX:Cress
Start	1238	End	1588
GI	none	Score	188
Exons	1238..1588		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o1.tw	Method	TBLASTX:Wheat
Start	1268	End	1717
GI	none	Score	184
Exons	1268..1717, 1275..1613, 1277..1717		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-

Start	1	End	5061
Name	OJ990325_03.9A14.C37.o2.ts	Method	TBLASTX:Soybean
Start	1367	End	1702
GI	none	Score	67
Exons	1367..1702, 1416..1655		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o4.tm	Method	TBLASTX:Maize
Start	2192	End	2534
GI	none	Score	59
Exons	2192..2374, 2249..2368, 2453..2533, 2463..2534		

Seq. No.	22610	Seq. ID	OJ990325_03.9A14.C37
Gene No.	47062	Strand	-
Start	1	End	5061
Name	OJ990325_03.9A14.C37.o6.tm	Method	TBLASTX:Maize
Start	2687	End	3088
GI	none	Score	92
Exons	2687..2944, 2963..3088		

Seq. No.	22611	Seq. ID	OJ990325_03.9A14.C39
Gene No.	47063	Strand	+
Start	156	End	2096
Name	OJ990325_03.9A14.C39.o1.gs	Method	GENSCAN
Start	156	End	2096
GI	none	Score	.6
Exons	156..296, 1138..1181, 1987..2096		

Seq. No.	22612	Seq. ID	OJ990325_03.9A14.C40
Gene No.	47064	Strand	+
Start	119	End	821
Name	OJ990325_03.9A14.C40.o1.np	Method	AAT/NAP
Start	119	End	821
GI	6539585	Score	219
Exons	119..292, 750..821		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	22613	Seq. ID	OJ990325_03.9A14.C41
Gene No.	47065	Strand	-
Start	271	End	1129
Name	OJ990325_03.9A14.C41.o1.gs	Method	GENSCAN
Start	271	End	1129
GI	none	Score	.84
Exons	271..334, 438..608, 1119..1129		

Seq. No.	22614	Seq. ID	OJ990325_03.9A14.C42
Gene No.	47066	Strand	-
Start	684	End	6580
Name	OJ990325_03.9A14.C42.o1.gs	Method	GENSCAN
Start	684	End	6564
GI	none	Score	.59
Exons	684..806, 1149..1378, 1500..1854, 3569..3862, 3966..4047, 4746..4873, 4950..5048, 5166..5321, 6547..6564		

Seq. No.	22614	Seq. ID	OJ990325_03.9A14.C42

Gene No.	47066	Strand	-
Start	684	End	6580
Name	OJ990325_03.9A14.C42.o2.tm	Method	TBLASTX:Maize
Start	3303	End	3811
GI	none	Score	36
Exons	3303..3332, 3313..3339, 3447..3710, 3461..3676, 3721..3810, 3740..3811		

Seq. No.	22614	Seq. ID	OJ990325_03.9A14.C42
Gene No.	47066	Strand	-
Start	684	End	6580
Name	OJ990325_03.9A14.C42.o1.np	Method	AAT/NAP
Start	3494	End	6580
GI	3087888	Score	390
Exons	3494..3688, 3716..3862, 3966..4105, 4800..4873, 4950..5048, 5166..5321, 6547..6580		
GI Descrip.	(X94302) hexokinase [Solanum tuberosum]		

Seq. No.	22614	Seq. ID	OJ990325_03.9A14.C42
Gene No.	47066	Strand	-
Start	684	End	6580
Name	OJ990325_03.9A14.C42.o1.ts	Method	TBLASTX:Soybean
Start	3525	End	5321
GI	none	Score	75
Exons	3525..3554, 3542..3676, 3543..3707, 4775..4870, 4776..4871, 4947..5060, 4999..5049, 5164..5274, 5175..5321		

Seq. No.	22614	Seq. ID	OJ990325_03.9A14.C42
Gene No.	47066	Strand	-
Start	684	End	6580
Name	OJ990325_03.9A14.C42.o1.tc	Method	TBLASTX:Cress
Start	3542	End	5321
GI	none	Score	61
Exons	3542..3676, 3543..3683, 3807..3845, 3966..4058, 4775..4867, 4776..4871, 4947..5072, 5019..5045, 5163..5321, 5164..5307		

Seq. No.	22614	Seq. ID	OJ990325_03.9A14.C42
Gene No.	47066	Strand	-
Start	684	End	6580
Name	OJ990325_03.9A14.C42.o1.tm	Method	TBLASTX:Maize
Start	3812	End	5342
GI	none	Score	83
Exons	3812..3904, 3966..4058, 3970..4059, 3972..4061, 4718..4876, 4739..4873, 4746..4874, 4949..5047, 4950..5048, 4950..5072, 4963..5049, 5163..5321, 5175..5342		

Seq. No.	22615	Seq. ID	OJ990325_03.9A14.C43
Gene No.	47067	Strand	-
Start	1	End	1136
Name	OJ990325_03.9A14.C43.o1.np	Method	AAT/NAP
Start	1	End	1136
GI	6634723	Score	206
Exons	1..17, 221..315, 691..870, 946..1136		
GI Descrip.	(AC012463) T2E6.6 [Arabidopsis thaliana]		

Seq. No.	22615	Seq. ID	OJ990325_03.9A14.C43
Gene No.	47067	Strand	-

Start	1	End	1136
Name	OJ990325_03.9A14.C43.o1.tm	Method	TBLASTX:Maize
Start	185	End	1060
GI	none	Score	89
Exons	185..316, 186..323, 238..327, 239..328, 673..879, 701..871, 706..873, 928..1011, 932..982, 988..1059, 989..1060		

Seq. No.	22615	Seq. ID	OJ990325_03.9A14.C43
Gene No.	47067	Strand	-
Start	1	End	1136
Name	OJ990325_03.9A14.C43.o1.gs	Method	GENSCAN
Start	241	End	1101
GI	none	Score	.79
Exons	241..353, 957..1101		

Seq. No.	22616	Seq. ID	OJ990325_03.9A14.C44
Gene No.	47068	Strand	+
Start	338	End	975
Name	OJ990325_03.9A14.C44.o1.gs	Method	GENSCAN
Start	338	End	975
GI	none	Score	.58
Exons	338..454, 850..975		

Seq. No.	22616	Seq. ID	OJ990325_03.9A14.C44
Gene No.	47069	Strand	-
Start	1	End	2066
Name	OJ990325_03.9A14.C44.o1.np	Method	AAT/NAP
Start	1	End	2066
GI	6594674	Score	265
Exons	1..173, 1841..2066		
GI Descrip.	(AF118133) chloroplast outer envelope hexokinase 1 [Nicotiana tabacum]		

Seq. No.	22616	Seq. ID	OJ990325_03.9A14.C44
Gene No.	47069	Strand	-
Start	1	End	2066
Name	OJ990325_03.9A14.C44.o2.gs	Method	GENSCAN
Start	1653	End	2046
GI	none	Score	1
Exons	1653..1716, 1841..2046		

Seq. No.	22617	Seq. ID	OJ990325_03.9A14.C45
Gene No.	47070	Strand	+
Start	699	End	836
Name	OJ990325_03.9A14.C45.o1.gs	Method	GENSCAN
Start	699	End	836
GI	none	Score	.4
Exons	699..836		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47071	Strand	+
Start	218	End	471
Name	OJ990325_03.9A14.C46.o1.gs	Method	GENSCAN
Start	218	End	471
GI	none	Score	.64
Exons	218..366, 462..471		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47072	Strand	+
Start	4687	End	5566
Name	OJ990325_03.9A14.C46.o3.gs	Method	GENSCAN
Start	4687	End	5566
GI	none	Score	.88
Exons	4687..4814, 5224..5406, 5491..5566		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47073	Strand	+
Start	9405	End	15721
Name	OJ990325_03.9A14.C46.o4.gs	Method	GENSCAN
Start	9405	End	12719
GI	none	Score	.87
Exons	9405..9407, 10091..10127, 10495..10641, 10938..10974, 11756..11864, 11910..12719		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47073	Strand	+
Start	9405	End	15721
Name	OJ990325_03.9A14.C46.o1.np	Method	AAT/NAP
Start	11550	End	15721
GI	6907089	Score	900
Exons	11550..12627, 15701..15721		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o4.tm	Method	TBLASTX:Maize
Start	2318	End	2464
GI	none	Score	163
Exons	2318..2464, 2322..2459		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o2.np	Method	AAT/NAP
Start	11234	End	16632
GI	6498441	Score	3525
Exons	11234..11319, 12618..13974, 14164..14805, 14980..15114, 15298..15670, 15734..16184, 16514..16632		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o3.tw	Method	TBLASTX:Wheat
Start	12814	End	13195
GI	none	Score	198
Exons	12814..13194, 12827..13195		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632

Name	OJ990325_03.9A14.C46.o5.gs	Method	GENSCAN
Start	12886	End	16380
GI	none	Score	.4
Exons	12886..13046, 13239..13580, 13704..14543, 14801..15407, 15452..15590, 15714..16266, 16293..16380		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o3.tm	Method	TBLASTX:Maize
Start	12998	End	13332
GI	none	Score	186
Exons	12998..13138, 12999..13190, 13009..13332, 13022..13219		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o7.tw	Method	TBLASTX:Wheat
Start	13498	End	13785
GI	none	Score	182
Exons	13498..13785		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o2.ts	Method	TBLASTX:Soybean
Start	13603	End	14169
GI	5666795	Score	61
Exons	13603..13785, 13840..13977, 14071..14169		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o4.tw	Method	TBLASTX:Wheat
Start	13840	End	14292
GI	none	Score	105
Exons	13840..13992, 13841..13981, 14051..14272, 14068..14292		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o1.ts	Method	TBLASTX:Soybean
Start	14644	End	15014
GI	none	Score	231
Exons	14644..14694, 14691..15014		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o1.tw	Method	TBLASTX:Wheat
Start	14691	End	15092
GI	none	Score	265
Exons	14691..15092, 14725..15087		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-

Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o1.tm	Method	TBLASTX:Maize
Start	14766	End	15150
GI	none	Score	138
Exons	14766..15149, 14893..15150		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o6.tw	Method	TBLASTX:Wheat
Start	15093	End	15308
GI	none	Score	133
Exons	15093..15308, 15094..15306		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o2.tm	Method	TBLASTX:Maize
Start	15177	End	15532
GI	none	Score	92
Exons	15177..15410, 15177..15422, 15187..15411, 15425..15532		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o3.ts	Method	TBLASTX:Soybean
Start	15258	End	15622
GI	none	Score	105
Exons	15258..15428, 15428..15622		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o2.tw	Method	TBLASTX:Wheat
Start	15335	End	15697
GI	none	Score	34
Exons	15335..15406, 15339..15422, 15408..15500, 15425..15697, 15536..15685, 15585..15689		

Seq. No.	22618	Seq. ID	OJ990325_03.9A14.C46
Gene No.	47074	Strand	-
Start	11234	End	16632
Name	OJ990325_03.9A14.C46.o5.tw	Method	TBLASTX:Wheat
Start	15770	End	16262
GI	none	Score	148
Exons	15770..16261, 15789..16106, 15872..16231, 16128..16262		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47
Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o1.ts	Method	TBLASTX:Soybean
Start	5330	End	6254
GI	none	Score	58
Exons	5330..5431, 5336..5443, 5453..5893, 5508..5894, 5945..6034, 5973..5996, 6023..6253, 6030..6254		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47

Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o1.np	Method	AAT/NAP
Start	5336	End	7142
GI	854361	Score	1540
Exons	5336..6262, 7068..7142		
GI Descrip.	(X58877) beta-glucanase [Oryza sativa]		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47
Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o1.tc	Method	TBLASTX:Cress
Start	5336	End	6262
GI	none	Score	158
Exons	5336..5449, 5450..5893, 5451..5846, 5883..6008, 5900..6007, 6014..6262		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47
Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o1.tm	Method	TBLASTX:Maize
Start	5339	End	5713
GI	none	Score	463
Exons	5339..5713, 5340..5699		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47
Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o1.tw	Method	TBLASTX:Wheat
Start	5402	End	5612
GI	none	Score	159
Exons	5402..5611, 5403..5612		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47
Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o1.gp	Method	AAT/GAP
Start	5491	End	5955
GI	18617_1.R1084	Score	898
Exons	5491..5955		
GI Descrip.	'854361/emb|CAA41685.1| 2.0e-78 (X58877) beta-glucanase [Oryza sativa]'		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47
Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o2.tw	Method	TBLASTX:Wheat
Start	5870	End	6226
GI	none	Score	88
Exons	5870..5968, 5871..5969, 5972..6226		

Seq. No.	22619	Seq. ID	OJ990325_03.9A14.C47
Gene No.	47075	Strand	-
Start	5336	End	7142
Name	OJ990325_03.9A14.C47.o2.tm	Method	TBLASTX:Maize
Start	6086	End	6263
GI	none	Score	220

Exons	6086..6262, 6087..6263		
Seq. No.	22620	Seq. ID	OJ990325_03.9A14.C48
Gene No.	47076	Strand	+
Start	1339	End	1586
Name	OJ990325_03.9A14.C48.o1.gs	Method	GENSCAN
Start	1339	End	1586
GI	none	Score	.49
Exons	1339..1586		
Seq. No.	22621	Seq. ID	OJ990325_03.9A14.C49
Gene No.	47077	Strand	-
Start	1	End	741
Name	OJ990325_03.9A14.C49.o1.np	Method	AAT/NAP
Start	1	End	741
GI	4972067	Score	108
Exons	1..30, 537..741		
GI Descrip.	(AL078467) putative protei [Arabidopsis thaliana]		
Seq. No.	22621	Seq. ID	OJ990325_03.9A14.C49
Gene No.	47077	Strand	-
Start	1	End	741
Name	OJ990325_03.9A14.C49.o1.gs	Method	GENSCAN
Start	426	End	701
GI	none	Score	.9
Exons	426..701		
Seq. No.	22622	Seq. ID	OJ990325_03.9A14.C50
Gene No.	47078	Strand	+
Start	1	End	733
Name	OJ990325_03.9A14.C50.o1.np	Method	AAT/NAP
Start	1	End	733
GI	2618686	Score	207
Exons	1..135, 487..733		
GI Descrip.	(AC002510) putative cytokinin oxidase [Arabidopsis thaliana]		
Seq. No.	22622	Seq. ID	OJ990325_03.9A14.C50
Gene No.	47078	Strand	+
Start	1	End	733
Name	OJ990325_03.9A14.C50.o1.gs	Method	GENSCAN
Start	410	End	665
GI	none	Score	.44
Exons	410..665		
Seq. No.	22622	Seq. ID	OJ990325_03.9A14.C50
Gene No.	47078	Strand	+
Start	1	End	733
Name	OJ990325_03.9A14.C50.o1.tm	Method	TBLASTX:Maize
Start	472	End	675
GI	none	Score	238
Exons	472..675, 473..670		
Seq. No.	22622	Seq. ID	OJ990325_03.9A14.C50
Gene No.	47078	Strand	+
Start	1	End	733
Name	OJ990325_03.9A14.C50.o1.ts	Method	TBLASTX:Soybean
Start	497	End	733

GI	none	Score	57
Exons	497..556, 551..733, 559..720,	605..730	

Seq. No.	22623	Seq. ID	OJ990325_03.9A14.C51
Gene No.	47079	Strand	-
Start	156	End	336
Name	OJ990325_03.9A14.C51.o1.gs	Method	GENSCAN
Start	156	End	336
GI	none	Score	.6
Exons	156..336		

Seq. No.	22624	Seq. ID	OJ990325_03.9A14.C52
Gene No.	47080	Strand	-
Start	1	End	2306
Name	OJ990325_03.9A14.C52.o1.np	Method	AAT/NAP
Start	1	End	1470
GI	6498441	Score	1178
Exons	1..76, 406..1470		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22624	Seq. ID	OJ990325_03.9A14.C52
Gene No.	47080	Strand	-
Start	1	End	2306
Name	OJ990325_03.9A14.C52.o2.np	Method	AAT/NAP
Start	1	End	2306
GI	5042454	Score	1175
Exons	1..21, 568..2001, 2074..2306		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	22624	Seq. ID	OJ990325_03.9A14.C52
Gene No.	47080	Strand	-
Start	1	End	2306
Name	OJ990325_03.9A14.C52.o1.gs	Method	GENSCAN
Start	369	End	1907
GI	none	Score	1
Exons	369..716, 807..1907		

Seq. No.	22624	Seq. ID	OJ990325_03.9A14.C52
Gene No.	47080	Strand	-
Start	1	End	2306
Name	OJ990325_03.9A14.C52.o1.tw	Method	TBLASTX:Wheat
Start	933	End	1307
GI	none	Score	102
Exons	933..1307, 1009..1185		

Seq. No.	22625	Seq. ID	OJ990325_03.9A14.C53
Gene No.	47081	Strand	+
Start	1	End	604
Name	OJ990325_03.9A14.C53.o1.np	Method	AAT/NAP
Start	1	End	604
GI	6498441	Score	589
Exons	1..604		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	22625	Seq. ID	OJ990325_03.9A14.C53
Gene No.	47081	Strand	+
Start	1	End	604
Name	OJ990325_03.9A14.C53.o1.gs	Method	GENSCAN
Start	106	End	302
GI	none	Score	.63
Exons	106..302		

Seq. No.	22625	Seq. ID	OJ990325_03.9A14.C53
Gene No.	47081	Strand	+
Start	1	End	604
Name	OJ990325_03.9A14.C53.o1.tw	Method	TBLASTX:Wheat
Start	175	End	462
GI	none	Score	182
Exons	175..462		

Seq. No.	22626	Seq. ID	OJ990325_03.9A14.C54
Gene No.	47082	Strand	-
Start	199	End	1114
Name	OJ990325_03.9A14.C54.o1.np	Method	AAT/NAP
Start	199	End	1114
GI	2618687	Score	329
Exons	199..438, 588..812, 1016..1114		
GI Descrip.	(AC002510) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22626	Seq. ID	OJ990325_03.9A14.C54
Gene No.	47082	Strand	-
Start	199	End	1114
Name	OJ990325_03.9A14.C54.o1.tm	Method	TBLASTX:Maize
Start	209	End	656
GI	none	Score	209
Exons	209..421, 214..441, 406..441, 584..655, 588..656		

Seq. No.	22626	Seq. ID	OJ990325_03.9A14.C54
Gene No.	47082	Strand	-
Start	199	End	1114
Name	OJ990325_03.9A14.C54.o1.gs	Method	GENSCAN
Start	215	End	794
GI	none	Score	.68
Exons	215..438, 588..794		

Seq. No.	22626	Seq. ID	OJ990325_03.9A14.C54
Gene No.	47082	Strand	-
Start	199	End	1114
Name	OJ990325_03.9A14.C54.o1.tc	Method	TBLASTX:Cress
Start	588	End	826
GI	none	Score	137
Exons	588..794, 607..765, 629..826		

Seq. No.	22627	Seq. ID	OJ990325_03.9A14.C55
Gene No.	47083	Strand	+
Start	63	End	267
Name	OJ990325_03.9A14.C55.o1.gp	Method	AAT/GAP
Start	63	End	267
GI	none	Score	384
Exons	63..267		

Seq. No.	22627	Seq. ID	OJ990325_03.9A14.C55
Gene No.	47084	Strand	-
Start	258	End	443
Name	OJ990325_03.9A14.C55.o1.np	Method	AAT/NAP
Start	258	End	443
GI	4580463	Score	107
Exons	258..443		
GI Descrip.	(AC006081) unknown protein [Arabidopsis thaliana]		

Seq. No.	22628	Seq. ID	OJ990325_03.9A14.C56
Gene No.	47085	Strand	+
Start	1	End	1447
Name	OJ990325_03.9A14.C56.o1.np	Method	AAT/NAP
Start	1	End	1447
GI	4680183	Score	189
Exons	1..246, 678..746, 1356..1447		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	22628	Seq. ID	OJ990325_03.9A14.C56
Gene No.	47086	Strand	-
Start	703	End	2658
Name	OJ990325_03.9A14.C56.o1.gs	Method	GENSCAN
Start	703	End	2658
GI	none	Score	.68
Exons	703..743, 1808..1876, 2150..2271, 2513..2658		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47087	Strand	+
Start	1	End	4045
Name	OJ990325_03.9A14.C57.o1.np	Method	AAT/NAP
Start	1	End	4045
GI	2130141	Score	674
Exons	1..49, 586..1043, 1146..2160, 4002..4045		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47087	Strand	+
Start	1	End	4045
Name	OJ990325_03.9A14.C57.o1.gp	Method	AAT/GAP
Start	2300	End	2586
GI	3107569	Score	544
Exons	2300..2586		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47088	Strand	+
Start	6131	End	7475
Name	OJ990325_03.9A14.C57.o3.np	Method	AAT/NAP
Start	6131	End	7475
GI	6630699	Score	94
Exons	6131..6154, 7390..7475		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57

Gene No.	47089	Strand	+
Start	14837	End	16525
Name	OJ990325_03.9A14.C57.o3.gs	Method	GENSCAN
Start	14837	End	16525
GI	none	Score	.44
Exons	14837..14879, 16055..16242, 16457..16525		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47090	Strand	-
Start	2069	End	5489
Name	OJ990325_03.9A14.C57.o1.gs	Method	GENSCAN
Start	2069	End	5489
GI	none	Score	.73
Exons	2069..2267, 2582..2729, 2800..2937, 4267..4453, 4707..4924, 5330..5489		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47090	Strand	-
Start	2069	End	5489
Name	OJ990325_03.9A14.C57.o2.np	Method	AAT/NAP
Start	2443	End	5078
GI	6735298	Score	604
Exons	2443..2729, 2800..2979, 3642..3845, 4249..4453, 4707..5078		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47091	Strand	-
Start	7614	End	9336
Name	OJ990325_03.9A14.C57.o3.tm	Method	TBLASTX:Maize
Start	1162	End	1538
GI	none	Score	146
Exons	1162..1290, 1166..1297, 1205..1294, 1386..1430, 1391..1534, 1392..1538		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47091	Strand	-
Start	7614	End	9336
Name	OJ990325_03.9A14.C57.o1.tm	Method	TBLASTX:Maize
Start	1590	End	2174
GI	none	Score	235
Exons	1590..1847, 1595..1825, 1611..1841, 1863..1919, 1971..2174, 1982..2173		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47091	Strand	-
Start	7614	End	9336
Name	OJ990325_03.9A14.C57.o1.ts	Method	TBLASTX:Soybean
Start	2458	End	2730
GI	none	Score	237
Exons	2458..2730		

Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47091	Strand	-
Start	7614	End	9336
Name	OJ990325_03.9A14.C57.o2.tm	Method	TBLASTX:Maize
Start	3640	End	4397
GI	none	Score	179

Exons	3640..3843, 3647..3841, 4230..4397, 4254..4394, 4280..4396		
Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47091	Strand	-
Start	7614	End	9336
Name	OJ990325_03.9A14.C57.o1.tc	Method	TBLASTX:Cress
Start	4364	End	4925
GI	none	Score	76
Exons	4364..4456, 4707..4907, 4707..4925		
Seq. No.	22629	Seq. ID	OJ990325_03.9A14.C57
Gene No.	47091	Strand	-
Start	7614	End	9336
Name	OJ990325_03.9A14.C57.o4.np	Method	AAT/NAP
Start	7614	End	9336
GI	5922619	Score	117
Exons	7614..7721, 9198..9336		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	22630	Seq. ID	OJ990325_03.9A14.C58
Gene No.	47092	Strand	-
Start	1400	End	1660
Name	OJ990325_03.9A14.C58.o1.gs	Method	GENSCAN
Start	1400	End	1660
GI	none	Score	.58
Exons	1400..1660		
Seq. No.	22631	Seq. ID	OJ990325_03.9A14.C60
Gene No.	47093	Strand	+
Start	266	End	429
Name	OJ990325_03.9A14.C60.o1.gs	Method	GENSCAN
Start	266	End	429
GI	none	Score	.95
Exons	266..429		
Seq. No.	22632	Seq. ID	OJ990325_03.9A14.C63
Gene No.	47094	Strand	-
Start	779	End	863
Name	OJ990325_03.9A14.C63.o1.gs	Method	GENSCAN
Start	779	End	863
GI	none	Score	.95
Exons	779..863		
Seq. No.	22633	Seq. ID	OJ990325_03.9A14.C64
Gene No.	47095	Strand	+
Start	340	End	410
Name	OJ990325_03.9A14.C64.o1.gs	Method	GENSCAN
Start	340	End	410
GI	none	Score	.42
Exons	340..410		
Seq. No.	22634	Seq. ID	OJ990405_06.9A01.C1
Gene No.	47096	Strand	-
Start	624	End	959
Name	OJ990405_06.9A01.C1.o1.gs	Method	GENSCAN

Start	624	End	947
GI	none	Score	.51
Exons	624..947		

Seq. No.	22634	Seq. ID	OJ990405_06.9A01.C1
Gene No.	47096	Strand	-
Start	624	End	959
Name	OJ990405_06.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	702	End	959
GI	none	Score	184
Exons	702..959, 711..923, 715..945		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47097	Strand	+
Start	8609	End	9815
Name	OJ990405_06.9A01.C2.o2.gs	Method	GENSCAN
Start	8609	End	9815
GI	none	Score	.75
Exons	8609..9268, 9356..9815		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o1.gp	Method	AAT/GAP
Start	8	End	3993
GI	342_1.R1084	Score	6192
Exons	8..3993		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o1.gs	Method	GENSCAN
Start	668	End	8125
GI	none	Score	.56
Exons	668..1064, 1242..1760, 1871..2261, 2393..3777, 4426..4529, 4795..5055, 7351..7421, 7693..8125		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o1.np	Method	AAT/NAP
Start	689	End	3997
GI	4680203	Score	3116
Exons	689..1666, 1942..2172, 2326..3997		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	749	End	2064
GI	none	Score	64
Exons	749..835, 824..904, 852..905, 909..989, 911..1027, 918..1058, 929..1057, 1005..1100, 1037..1096, 1103..1144, 1103..1147, 1142..1594, 1158..1394, 1175..1474, 1431..1748, 1623..1739,		

1634..1747, 1716..2057, 1744..2058, 1745..2059, 1879..2064, 1959..2060

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o2.tc	Method	TBLASTX:Cress
Start	1325	End	1748
GI	none	Score	102
Exons	1325..1474, 1325..1594, 1431..1748, 1629..1745, 1634..1747		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	1703	End	2016
GI	none	Score	119
Exons	1703..1747, 1744..2016, 1745..2002		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o3.tw	Method	TBLASTX:Wheat
Start	2065	End	2468
GI	none	Score	152
Exons	2065..2145, 2178..2375, 2179..2364, 2179..2376, 2219..2374, 2358..2420, 2406..2468, 2419..2466		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o2.ts	Method	TBLASTX:Soybean
Start	2502	End	2744
GI	none	Score	210
Exons	2502..2744		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	2574	End	3032
GI	none	Score	91
Exons	2574..2768, 2778..3032, 2778..3020		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o2.tw	Method	TBLASTX:Wheat
Start	2608	End	3077
GI	none	Score	164
Exons	2608..2844, 2608..2817, 2613..2837, 2815..2910, 2815..2907, 2817..2912, 2817..2915, 2919..3023, 2923..3024, 3021..3077, 3025..3069		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125

Name	OJ990405_06.9A01.C2.o1.tc	Method	TBLASTX:Cress
Start	2865	End	3213
GI	none	Score	81
Exons	2865..3206, 2884..2997, 3061..3213		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	2946	End	3375
GI	none	Score	78
Exons	2946..3215, 2959..3210, 3292..3375, 3300..3374		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o4.tw	Method	TBLASTX:Wheat
Start	3291	End	3692
GI	none	Score	168
Exons	3291..3548, 3296..3538, 3304..3546, 3306..3557, 3307..3549, 3540..3692		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47098	Strand	-
Start	8	End	8125
Name	OJ990405_06.9A01.C2.o3.tm	Method	TBLASTX:Maize
Start	4810	End	7422
GI	none	Score	184
Exons	4810..5067, 4819..5031, 4823..5053, 6310..6393, 6719..6805, 6735..6848, 6736..6813, 6789..6890, 6808..6888, 6824..6892, 6825..6896, 6877..6987, 6879..7007, 6879..7007, 6880..7026, 7035..7103, 7058..7117, 7069..7092, 7345..7407, 7351..7422		

Seq. No.	22635	Seq. ID	OJ990405_06.9A01.C2
Gene No.	47099	Strand	
Start	8951	End	9249
Name	OJ990405_06.9A01.C2.o4.tm	Method	TBLASTX:Maize
Start	8951	End	9249
GI	none	Score	203
Exons	8951..9247, 8951..9151, 9187..9249		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47100	Strand	+
Start	1	End	3546
Name	OJ990405_06.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	3546
GI	4512618	Score	1851
Exons	1..1100, 1308..2958, 3393..3546		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47100	Strand	+
Start	1	End	3546
Name	OJ990405_06.9A01.C3.o1.gs	Method	GENSCAN
Start	161	End	2986

GI	none	Score	.75
Exons	161..841, 914..2371, 2519..2986		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o3.tc	Method	TBLASTX:Cress
Start	2	End	295
GI	none	Score	165
Exons	2..205, 209..295		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o5.tw	Method	TBLASTX:Wheat
Start	179	End	8210
GI	none	Score	129
Exons	179..508, 7971..8210, 7972..8106		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o3.tm	Method	TBLASTX:Maize
Start	218	End	8198
GI	none	Score	72
Exons	218..286, 299..853, 352..603, 674..865, 7629..7781, 7776..8198, 7777..8136		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o3.ts	Method	TBLASTX:Soybean
Start	395	End	8090
GI	none	Score	266
Exons	395..841, 7629..7757, 7779..8090, 7786..8064		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	434	End	8072
GI	none	Score	364
Exons	434..871, 655..702, 751..903, 7630..7767, 7635..7766, 7782..8072, 7899..7994, 7987..8064		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o2.tw	Method	TBLASTX:Wheat
Start	521	End	7970
GI	none	Score	348
Exons	521..895, 523..804, 678..839, 7635..7760, 7782..7970		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o1.ts	Method	TBLASTX:Soybean

Start	1436	End	7307
GI	5509260	Score	425
Exons	1436..1936, 1453..1707, 1759..1914, 6694..6951, 6699..6890, 6722..6892, 6951..7235, 6997..7218, 7005..7244, 7257..7307, 7257..7307		
GI Descrip.	-		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o4.tm	Method	TBLASTX:Maize
Start	1480	End	7151
GI	none	Score	267
Exons	1480..1632, 1481..1726, 1485..1682, 6945..7151, 6948..7088		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o2.tc	Method	TBLASTX:Cress
Start	1544	End	7073
GI	none	Score	246
Exons	1544..1819, 1544..1789, 6813..7073		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	1601	End	7031
GI	none	Score	297
Exons	1601..1945, 1657..1941, 1937..2146, 1939..2133, 2144..2263, 6600..6692, 6687..6890, 6739..6876, 6951..7025, 6951..7031		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	1732	End	6899
GI	none	Score	504
Exons	1732..1920, 1733..2179, 1742..2107, 1939..2166, 6459..6899, 6688..6873		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o4.tc	Method	TBLASTX:Cress
Start	1991	End	6647
GI	none	Score	202
Exons	1991..2242, 6390..6647		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	2279	End	6341
GI	none	Score	321
Exons	2279..2692, 2545..2676, 2717..2953, 2737..2910, 3041..3076, 5686..6198, 5696..6199, 6199..6333, 6201..6341		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o3.tw	Method	TBLASTX:Wheat
Start	2285	End	6518
GI	none	Score	247
Exons	2285..2545, 2344..2463, 6088..6198, 6201..6344, 6205..6333, 6369..6518, 6379..6456		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o2.ts	Method	TBLASTX:Soybean
Start	2309	End	6323
GI	none	Score	481
Exons	2309..2905, 2344..2427, 2496..2636, 2521..2667, 2710..2832, 2733..2834, 5656..5916, 5810..5869, 5938..6198, 5978..6136, 6201..6323		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o4.tw	Method	TBLASTX:Wheat
Start	2771	End	5869
GI	none	Score	187
Exons	2771..2947, 2788..2982, 5689..5865, 5738..5869		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o2.gs	Method	GENSCAN
Start	3118	End	8219
GI	none	Score	.44
Exons	3118..3627, 4251..4386, 5200..5347, 6326..6620, 6981..7754, 7818..8219		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o2.np	Method	AAT/NAP
Start	3460	End	4463
GI	6539588	Score	215
Exons	3460..3721, 4437..4463		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	22636	Seq. ID	OJ990405_06.9A01.C3
Gene No.	47101	Strand	-
Start	3118	End	9560
Name	OJ990405_06.9A01.C3.o3.np	Method	AAT/NAP
Start	5668	End	9560
GI	6630685	Score	2006
Exons	5668..7313, 7349..7600, 7631..8219, 9507..9560		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4

Gene No.	47102	Strand	+
Start	1440	End	5828
Name	OJ990405_06.9A01.C4.o1.gs	Method	GENSCAN
Start	1440	End	5471
GI	none	Score	.73
Exons	1440..1617, 3297..3452, 3482..3675, 5373..5471		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4
Gene No.	47102	Strand	+
Start	1440	End	5828
Name	OJ990405_06.9A01.C4.o1.gp	Method	AAT/GAP
Start	3952	End	5241
GI	none	Score	850
Exons	3952..4100, 4772..4877, 4997..5241		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4
Gene No.	47102	Strand	+
Start	1440	End	5828
Name	OJ990405_06.9A01.C4.o2.gp	Method	AAT/GAP
Start	5370	End	5828
GI	5002888	Score	597
Exons	5370..5828		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4
Gene No.	47103	Strand	+
Start	11199	End	11842
Name	OJ990405_06.9A01.C4.o2.np	Method	AAT/NAP
Start	11199	End	11842
GI	6069646	Score	192
Exons	11199..11842		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4
Gene No.	47104	Strand	-
Start	7412	End	8884
Name	OJ990405_06.9A01.C4.o3.gp	Method	AAT/GAP
Start	7153	End	7243
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	7153..7243		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4
Gene No.	47104	Strand	-
Start	7412	End	8884
Name	OJ990405_06.9A01.C4.o2.gs	Method	GENSCAN
Start	7412	End	8884
GI	none	Score	.42
Exons	7412..7435, 8672..8884		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4
Gene No.	47105	Strand	-

Start	10172	End	11842
Name	OJ990405_06.9A01.C4.o1.np	Method	AAT/NAP
Start	10172	End	11842
GI	6456469	Score	66
Exons	10172..10306, 11789..11842		
GI Descrip.	(AB025346) oxidosqualene cyclase [Taraxacum officinale]		

Seq. No.	22637	Seq. ID	OJ990405_06.9A01.C4
Gene No.	47105	Strand	-
Start	10172	End	11842
Name	OJ990405_06.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	11433	End	11841
GI	none	Score	64
Exons	11433..11504, 11554..11700, 11556..11684, 11767..11841		

Seq. No.	22638	Seq. ID	OJ990405_06.9A01.C5
Gene No.	47106	Strand	-
Start	493	End	1056
Name	OJ990405_06.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	491	End	742
GI	none	Score	120
Exons	491..574, 493..585, 493..579, 617..739, 658..741, 658..741, 659..742		

Seq. No.	22638	Seq. ID	OJ990405_06.9A01.C5
Gene No.	47106	Strand	-
Start	493	End	1056
Name	OJ990405_06.9A01.C5.o1.np	Method	AAT/NAP
Start	493	End	1056
GI	5922599	Score	119
Exons	493..576, 658..738, 1029..1056		
GI Descrip.	(AB025353) oxidosqualene cyclase [Allium macrostemon]		

Seq. No.	22639	Seq. ID	OJ990405_06.9A01.C7
Gene No.	47107	Strand	-
Start	183	End	598
Name	OJ990405_06.9A01.C7.o1.np	Method	AAT/NAP
Start	183	End	598
GI	1196998	Score	692
Exons	183..598		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	22640	Seq. ID	OJ990405_06.9A01.C8
Gene No.	47108	Strand	-
Start	135	End	275
Name	OJ990405_06.9A01.C8.o1.gs	Method	GENSCAN
Start	135	End	275
GI	none	Score	.74
Exons	135..275		

Seq. No.	22641	Seq. ID	OJ990405_06.9A01.C9

Gene No.	47109	Strand	+
Start	1	End	701
Name	OJ990405_06.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	701
GI	4416302	Score	651
Exons	1..701		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	22641	Seq. ID	OJ990405_06.9A01.C9
Gene No.	47109	Strand	+
Start	1	End	701
Name	OJ990405_06.9A01.C9.o1.gs	Method	GENSCAN
Start	12	End	201
GI	none	Score	.94
Exons	12..78, 116..201		

Seq. No.	22641	Seq. ID	OJ990405_06.9A01.C9
Gene No.	47109	Strand	+
Start	1	End	701
Name	OJ990405_06.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	63	End	640
GI	none	Score	160
Exons	63..203, 71..205, 205..618, 206..640, 516..635		

Seq. No.	22641	Seq. ID	OJ990405_06.9A01.C9
Gene No.	47109	Strand	+
Start	1	End	701
Name	OJ990405_06.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	81	End	631
GI	none	Score	94
Exons	81..203, 206..466, 268..426, 488..631, 535..594		

Seq. No.	22642	Seq. ID	OJ990405_06.9A01.C11
Gene No.	47110	Strand	+
Start	1	End	422
Name	OJ990405_06.9A01.C11.o1.np	Method	AAT/NAP
Start	1	End	419
GI	6691716	Score	439
Exons	1..419		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	22642	Seq. ID	OJ990405_06.9A01.C11
Gene No.	47110	Strand	+
Start	1	End	422
Name	OJ990405_06.9A01.C11.o1.gs	Method	GENSCAN
Start	81	End	422
GI	none	Score	.97
Exons	81..422		

Seq. No.	22643	Seq. ID	OJ990405_06.9A01.C13
Gene No.	47111	Strand	-
Start	609	End	643
Name	OJ990405_06.9A01.C13.o1.gs	Method	GENSCAN
Start	609	End	643
GI	none	Score	.77

Exons	609..643		
Seq. No.	22644	Seq. ID	OJ990405_06.9A01.C14
Gene No.	47112	Strand	+
Start	1	End	780
Name	OJ990405_06.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	780
GI	6045133	Score	170
Exons	1..67, 468..599, 691..780		
GI Descrip.	(AB033334) cycloartenol synthase [Luffa cylindrica]		
Seq. No.	22644	Seq. ID	OJ990405_06.9A01.C14
Gene No.	47112	Strand	+
Start	1	End	780
Name	OJ990405_06.9A01.C14.o1.gs	Method	GENSCAN
Start	2	End	611
GI	none	Score	.68
Exons	2..13, 399..611		
Seq. No.	22644	Seq. ID	OJ990405_06.9A01.C14
Gene No.	47112	Strand	+
Start	1	End	780
Name	OJ990405_06.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	417	End	780
GI	none	Score	187
Exons	417..602, 420..593, 452..604, 458..613, 690..776, 690..776, 691..780, 691..780		
Seq. No.	22644	Seq. ID	OJ990405_06.9A01.C14
Gene No.	47112	Strand	+
Start	1	End	780
Name	OJ990405_06.9A01.C14.o1.tc	Method	TBLASTX:Cress
Start	455	End	780
GI	none	Score	137
Exons	455..592, 456..593, 691..780		
Seq. No.	22644	Seq. ID	OJ990405_06.9A01.C14
Gene No.	47112	Strand	+
Start	1	End	780
Name	OJ990405_06.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	464	End	780
GI	none	Score	116
Exons	464..601, 465..590, 691..780		
Seq. No.	22645	Seq. ID	OJ990405_06.9A01.C15
Gene No.	47113	Strand	-
Start	1	End	549
Name	OJ990405_06.9A01.C15.o1.np	Method	AAT/NAP
Start	1	End	549
GI	4416302	Score	570
Exons	1..549		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	22645	Seq. ID	OJ990405_06.9A01.C15
Gene No.	47113	Strand	-
Start	1	End	549
Name	OJ990405_06.9A01.C15.o1.tm	Method	TBLASTX:Maize

Start	7	End	548
GI	none	Score	286
Exons	7..477, 8..478, 480..548		

Seq. No.	22645	Seq. ID	OJ990405_06.9A01.C15
Gene No.	47113	Strand	-
Start	1	End	549
Name	OJ990405_06.9A01.C15.o1.ts	Method	TBLASTX:Soybean
Start	10	End	477
GI	none	Score	36
Exons	10..195, 89..148, 217..477, 257..415		

Seq. No.	22645	Seq. ID	OJ990405_06.9A01.C15
Gene No.	47113	Strand	-
Start	1	End	549
Name	OJ990405_06.9A01.C15.o1.tw	Method	TBLASTX:Wheat
Start	10	End	465
GI	none	Score	112
Exons	10..186, 205..465		

Seq. No.	22646	Seq. ID	OJ990405_06.9A01.C18
Gene No.	47114	Strand	+
Start	188	End	626
Name	OJ990405_06.9A01.C18.o1.tc	Method	TBLASTX:Cress
Start	185	End	530
GI	none	Score	132
Exons	185..265, 191..313, 196..312, 396..530, 413..520		

Seq. No.	22646	Seq. ID	OJ990405_06.9A01.C18
Gene No.	47114	Strand	+
Start	188	End	626
Name	OJ990405_06.9A01.C18.o1.tm	Method	TBLASTX:Maize
Start	186	End	532
GI	none	Score	128
Exons	186..311, 188..313, 190..318, 190..312, 396..530, 396..521, 397..531, 401..532		

Seq. No.	22646	Seq. ID	OJ990405_06.9A01.C18
Gene No.	47114	Strand	+
Start	188	End	626
Name	OJ990405_06.9A01.C18.o1.gp	Method	AAT/GAP
Start	188	End	531
GI	uC-osflcyp065e03b1	Score	398
Exons	188..310, 399..531		
GI Descrip.	'541855/pir||A49398 4.0e-50 cycloartenol synthase (EC 5.4.99.8) - Arabidopsis thaliana'		

Seq. No.	22646	Seq. ID	OJ990405_06.9A01.C18
Gene No.	47114	Strand	+
Start	188	End	626
Name	OJ990405_06.9A01.C18.o1.np	Method	AAT/NAP
Start	191	End	626
GI	6045135	Score	193
Exons	191..310, 399..626		
GI Descrip.	(AB033335) oxidosqualene cyclase [Luffa cylindrica]		

Seq. No.	22646	Seq. ID	OJ990405_06.9A01.C18

Gene No.	47114	Strand	+
Start	188	End	626
Name	OJ990405_06.9A01.C18.o1.ts	Method	TBLASTX:Soybean
Start	197	End	535
GI	none	Score	125
Exons	197..316, 396..521, 416..535		

Seq. No.	22647	Seq. ID	OJ990405_06.9A01.C20
Gene No.	47115	Strand	-
Start	1	End	349
Name	OJ990405_06.9A01.C20.o1.np	Method	AAT/NAP
Start	1	End	349
GI	3777527	Score	439
Exons	1..349		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	22647	Seq. ID	OJ990405_06.9A01.C20
Gene No.	47115	Strand	-
Start	1	End	349
Name	OJ990405_06.9A01.C20.o1.ts	Method	TBLASTX:Soybean
Start	2	End	349
GI	5509260	Score	80
Exons	2..64, 3..125, 18..80, 125..349, 171..344, 178..348		
GI Descrip.	-		

Seq. No.	22647	Seq. ID	OJ990405_06.9A01.C20
Gene No.	47115	Strand	-
Start	1	End	349
Name	OJ990405_06.9A01.C20.o1.tw	Method	TBLASTX:Wheat
Start	2	End	334
GI	none	Score	42
Exons	2..58, 3..62, 125..283, 171..221, 263..334, 269..334		

Seq. No.	22647	Seq. ID	OJ990405_06.9A01.C20
Gene No.	47115	Strand	-
Start	1	End	349
Name	OJ990405_06.9A01.C20.o1.tm	Method	TBLASTX:Maize
Start	26	End	343
GI	none	Score	95
Exons	26..343, 171..326		

Seq. No.	22647	Seq. ID	OJ990405_06.9A01.C20
Gene No.	47115	Strand	-
Start	1	End	349
Name	OJ990405_06.9A01.C20.o1.gs	Method	GENSCAN
Start	155	End	322
GI	none	Score	.44
Exons	155..322		

Seq. No.	22648	Seq. ID	OJ990405_06.9A01.C21
Gene No.	47116	Strand	+
Start	227	End	420
Name	OJ990405_06.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	217	End	418
GI	none	Score	61
Exons	217..417, 224..418		

Seq. No.	22648	Seq. ID	OJ990405_06.9A01.C21
Gene No.	47116	Strand	+
Start	227	End	420
Name	OJ990405_06.9A01.C21.o1.tc	Method	TBLASTX:Cress
Start	224	End	418
GI	none	Score	194
Exons	224..418, 251..418		

Seq. No.	22648	Seq. ID	OJ990405_06.9A01.C21
Gene No.	47116	Strand	+
Start	227	End	420
Name	OJ990405_06.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	224	End	418
GI	none	Score	209
Exons	224..418, 224..418		

Seq. No.	22648	Seq. ID	OJ990405_06.9A01.C21
Gene No.	47116	Strand	+
Start	227	End	420
Name	OJ990405_06.9A01.C21.o1.np	Method	AAT/NAP
Start	227	End	420
GI	6090879	Score	140
Exons	227..420		
GI Descrip.	(AF169966) putative cycloartenol synthase [Oryza sativa]		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47117	Strand	+
Start	1	End	5621
Name	OJ990405_06.9A01.C22.o1.np	Method	AAT/NAP
Start	1	End	5621
GI	6045135	Score	642
Exons	1..36, 1591..1713, 1802..1924, 2402..2497, 4006..4065, 4359..4405, 4519..4662, 4763..4940, 5541..5621		
GI Descrip.	(AB033335) oxidosqualene cyclase [Luffa cylindrica]		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47117	Strand	+
Start	1	End	5621
Name	OJ990405_06.9A01.C22.o1.gp	Method	AAT/GAP
Start	1606	End	4050
GI	uC-osflcyp065e03b1	Score	665
Exons	1606..1713, 1802..1924, 2402..2500, 4009..4050		
GI Descrip.	'541855/pir||A49398 4.0e-50 cycloartenol synthase (EC 5.4.99.8) - Arabidopsis thaliana'		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47117	Strand	+
Start	1	End	5621
Name	OJ990405_06.9A01.C22.o2.gs	Method	GENSCAN
Start	1805	End	5621
GI	none	Score	.66
Exons	1805..1924, 2402..2500, 2923..3033, 3091..3169, 3259..3455, 4009..4065, 4359..4405, 4519..4662, 4763..4940, 5541..5621		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47118	Strand	-
Start	131	End	557

Name	OJ990405_06.9A01.C22.o1.gs	Method	GENSCAN
Start	131	End	557
GI	none	Score	.52
Exons	131..331, 477..557		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47119	Strand	
Start	1589	End	5662
Name	OJ990405_06.9A01.C22.o1.tm	Method	TBLASTX:Maize
Start	1589	End	5662
GI	none	Score	128
Exons	1589..1714, 1591..1716, 1593..1721, 1593..1715, 1799..1933, 1803..1925, 1804..1935, 2409..2495, 2429..2497, 2431..2496, 2432..2497, 3996..4064, 3999..4064, 4000..4068, 4009..4068, 4359..4406, 4361..4405, 4520..4663, 4522..4665, 4757..4918, 4763..4918, 4764..4943, 5538..5621, 5538..5621, 5540..5662		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47119	Strand	
Start	1589	End	5662
Name	OJ990405_06.9A01.C22.o1.tc	Method	TBLASTX:Cress
Start	1594	End	5621
GI	none	Score	132
Exons	1594..1716, 1599..1715, 1799..1933, 1816..1923, 2399..2494, 3991..4068, 4380..4430, 4520..4666, 4547..4663, 4766..4927, 4767..4943, 5538..5621		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47119	Strand	
Start	1589	End	5662
Name	OJ990405_06.9A01.C22.o1.ts	Method	TBLASTX:Soybean
Start	1600	End	5624
GI	none	Score	105
Exons	1600..1716, 1799..1933, 1837..1923, 2399..2494, 4520..4666, 4525..4665, 4761..4928, 4763..4942, 4767..4943, 5538..5624		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47119	Strand	
Start	1589	End	5662
Name	OJ990405_06.9A01.C22.o2.tm	Method	TBLASTX:Maize
Start	3237	End	3512
GI	none	Score	288
Exons	3237..3512, 3237..3440, 3239..3448		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47119	Strand	
Start	1589	End	5662
Name	OJ990405_06.9A01.C22.o2.tw	Method	TBLASTX:Wheat
Start	3306	End	3707
GI	none	Score	102
Exons	3306..3455, 3537..3707		

Seq. No.	22649	Seq. ID	OJ990405_06.9A01.C22
Gene No.	47119	Strand	
Start	1589	End	5662
Name	OJ990405_06.9A01.C22.o1.tw	Method	TBLASTX:Wheat
Start	4642	End	5632

GI	none	Score	43
Exons	4642..4665, 4643..4666, 4763..4939, 4767..4940, 5532..5621, 5576..5632		

Seq. No.	22650	Seq. ID	OJ990405_06.9A01.C23
Gene No.	47120	Strand	-
Start	864	End	950
Name	OJ990405_06.9A01.C23.o1.gs	Method	GENSCAN
Start	864	End	950
GI	none	Score	.42
Exons	864..950		

Seq. No.	22651	Seq. ID	OJ990405_06.9A01.C25
Gene No.	47121	Strand	-
Start	1	End	255
Name	OJ990405_06.9A01.C25.o1.np	Method	AAT/NAP
Start	1	End	249
GI	6598481	Score	188
Exons	1..249		
GI Descrip.	(AC005693) cycloartenol synthase [Arabidopsis thaliana]		

Seq. No.	22651	Seq. ID	OJ990405_06.9A01.C25
Gene No.	47121	Strand	-
Start	1	End	255
Name	OJ990405_06.9A01.C25.o1.gs	Method	GENSCAN
Start	52	End	249
GI	none	Score	.91
Exons	52..249		

Seq. No.	22651	Seq. ID	OJ990405_06.9A01.C25
Gene No.	47121	Strand	-
Start	1	End	255
Name	OJ990405_06.9A01.C25.o1.tc	Method	TBLASTX:Cress
Start	52	End	253
GI	none	Score	60
Exons	52..252, 146..253		

Seq. No.	22651	Seq. ID	OJ990405_06.9A01.C25
Gene No.	47121	Strand	-
Start	1	End	255
Name	OJ990405_06.9A01.C25.o1.ts	Method	TBLASTX:Soybean
Start	52	End	255
GI	none	Score	77
Exons	52..255, 124..255		

Seq. No.	22651	Seq. ID	OJ990405_06.9A01.C25
Gene No.	47121	Strand	-
Start	1	End	255
Name	OJ990405_06.9A01.C25.o1.tm	Method	TBLASTX:Maize
Start	52	End	253
GI	none	Score	175
Exons	52..249, 52..249, 119..250, 146..253		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47122	Strand	+
Start	406	End	1206
Name	OJ990405_06.9A01.C27.o1.gs	Method	GENSCAN

Start	406	End	1206
GI	none	Score	.96
Exons	406..1206		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47122	Strand	+
Start	406	End	1206
Name	OJ990405_06.9A01.C27.o1.np	Method	AAT/NAP
Start	406	End	1203
GI	4512231	Score	1333
Exons	406..1203		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47123	Strand	+
Start	1408	End	5870
Name	OJ990405_06.9A01.C27.o2.np	Method	AAT/NAP
Start	1408	End	5870
GI	4680179	Score	5547
Exons	1408..2452, 2480..5870		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47124	Strand	+
Start	6383	End	7090
Name	OJ990405_06.9A01.C27.o3.gs	Method	GENSCAN
Start	6383	End	7090
GI	none	Score	.9
Exons	6383..7090		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47125	Strand	+
Start	8910	End	13096
Name	OJ990405_06.9A01.C27.o4.gs	Method	GENSCAN
Start	8910	End	13096
GI	none	Score	.73
Exons	8910..9035, 10144..10344, 10961..11065, 11120..11442, 11552..11877, 11955..12142, 12217..12406, 12645..13096		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o12.tw	Method	TBLASTX:Wheat
Start	1473	End	1822
GI	none	Score	39
Exons	1473..1541, 1490..1531, 1624..1821, 1625..1822, 1649..1822		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o10.tw	Method	TBLASTX:Wheat
Start	1871	End	2224
GI	none	Score	310
Exons	1871..2161, 1874..2224		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-

Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o9.tm	Method	TBLASTX:Maize
Start	1874	End	2179
GI	none	Score	231
Exons	1874..2179, 1900..2031, 1901..2161		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o11.tw	Method	TBLASTX:Wheat
Start	2558	End	2902
GI	none	Score	250
Exons	2558..2902		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o11.tm	Method	TBLASTX:Maize
Start	2945	End	3108
GI	none	Score	186
Exons	2945..3106, 2953..3108		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o4.tw	Method	TBLASTX:Wheat
Start	3043	End	16353
GI	none	Score	532
Exons	3043..3483, 3044..3526, 3068..3523, 16036..16353		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o5.ts	Method	TBLASTX:Soybean
Start	3080	End	16338
GI	none	Score	198
Exons	3080..3394, 16135..16338		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o4.tm	Method	TBLASTX:Maize
Start	3109	End	16338
GI	none	Score	369
Exons	3109..3351, 3113..3556, 16060..16338		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o1.ts	Method	TBLASTX:Soybean
Start	3467	End	3862
GI	none	Score	57
Exons	3467..3499, 3467..3499, 3503..3556, 3505..3546, 3611..3862, 3619..3852		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-

Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o7.tm	Method	TBLASTX:Maize
Start	3611	End	3943
GI	none	Score	303
Exons	3611..3943, 3664..3942		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o7.tw	Method	TBLASTX:Wheat
Start	3614	End	15898
GI	none	Score	369
Exons	3614..3877, 3616..3876, 15555..15704, 15674..15898		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o4.ts	Method	TBLASTX:Soybean
Start	3866	End	15961
GI	none	Score	78
Exons	3866..4000, 15531..15704, 15719..15961, 15771..15914		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o2.tw	Method	TBLASTX:Wheat
Start	3878	End	4303
GI	none	Score	593
Exons	3878..4303, 3880..4296		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o2.tm	Method	TBLASTX:Maize
Start	3950	End	4303
GI	none	Score	462
Exons	3950..4303, 3955..4296		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o3.tw	Method	TBLASTX:Wheat
Start	4331	End	4860
GI	none	Score	466
Exons	4331..4771, 4415..4750, 4513..4761, 4769..4855, 4770..4856, 4771..4860		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o2.ts	Method	TBLASTX:Soybean
Start	4658	End	4908
GI	none	Score	96
Exons	4658..4771, 4669..4764, 4765..4908, 4767..4907		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-

Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o5.tm	Method	TBLASTX:Maize
Start	4718	End	4998
GI	none	Score	68
Exons	4718..4768, 4765..4998, 4770..4994		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o1.tw	Method	TBLASTX:Wheat
Start	4867	End	14036
GI	none	Score	597
Exons	4867..5400, 4926..5372, 5403..5492, 5405..5491, 13800..13910, 13938..14036		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o1.tm	Method	TBLASTX:Maize
Start	5046	End	5630
GI	none	Score	229
Exons	5046..5204, 5047..5202, 5205..5366, 5206..5400, 5402..5629, 5403..5630		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o9.tw	Method	TBLASTX:Wheat
Start	5492	End	5825
GI	none	Score	313
Exons	5492..5773, 5493..5825, 5643..5804		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o14.tw	Method	TBLASTX:Wheat
Start	10303	End	10593
GI	none	Score	207
Exons	10303..10593		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o13.tw	Method	TBLASTX:Wheat
Start	11097	End	18239
GI	none	Score	57
Exons	11097..11165, 17838..18068, 18062..18238, 18177..18239		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o5.gs	Method	GENSCAN
Start	13431	End	20321
GI	none	Score	.66
Exons	13431..14008, 14362..14401, 14685..15390, 15735..16027, 16234..16550, 16611..17270, 17411..17504, 17652..18068, 18122..18303, 18454..18659, 18851..19115, 19375..19493,		

19574..19610, 20174..20321

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o3.np	Method	AAT/NAP
Start	13467	End	19537
GI	5922631	Score	6579
Exons	13467..15990, 16596..17524, 17652..17810, 17853..18421, 18467..18663, 18924..19168, 19428..19537		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o8.tm	Method	TBLASTX:Maize
Start	13483	End	13736
GI	none	Score	91
Exons	13483..13584, 13485..13583, 13563..13736, 13564..13623		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o6.tw	Method	TBLASTX:Wheat
Start	14169	End	14558
GI	none	Score	50
Exons	14169..14216, 14171..14356, 14171..14557, 14247..14558		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o3.tm	Method	TBLASTX:Maize
Start	14201	End	14563
GI	none	Score	238
Exons	14201..14248, 14240..14563, 14253..14543		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o10.tm	Method	TBLASTX:Maize
Start	14790	End	15113
GI	none	Score	210
Exons	14790..15113		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o5.tw	Method	TBLASTX:Wheat
Start	14874	End	15296
GI	none	Score	226
Exons	14874..15296, 14950..15291		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o3.ts	Method	TBLASTX:Soybean
Start	14917	End	15305
GI	none	Score	113
Exons	14917..15165, 14919..15161, 15201..15305, 15211..15297		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o15.tw	Method	TBLASTX:Wheat
Start	15297	End	15491
GI	none	Score	89
Exons	15297..15491, 15301..15474		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o6.tm	Method	TBLASTX:Maize
Start	15423	End	15863
GI	none	Score	42
Exons	15423..15446, 15444..15587, 15456..15572, 15612..15707, 15681..15863, 15701..15862		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o8.tw	Method	TBLASTX:Wheat
Start	16462	End	17256
GI	none	Score	98
Exons	16462..16695, 16463..16624, 16799..17035, 16801..17031, 17068..17256, 17147..17254		

Seq. No.	22652	Seq. ID	OJ990405_06.9A01.C27
Gene No.	47126	Strand	-
Start	13431	End	20321
Name	OJ990405_06.9A01.C27.o12.tm	Method	TBLASTX:Maize
Start	16771	End	16948
GI	none	Score	109
Exons	16771..16947, 16802..16948		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47127	Strand	+
Start	433	End	2919
Name	OJ990405_06.9A01.C28.o1.gs	Method	GENSCAN
Start	433	End	2919
GI	none	Score	.49
Exons	433..742, 817..1073, 1649..2022, 2370..2506, 2545..2659, 2790..2919		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47128	Strand	+
Start	6191	End	11174
Name	OJ990405_06.9A01.C28.o1.np	Method	AAT/NAP
Start	6191	End	11174

GI	4589852	Score	945
Exons	6191..6445, 6846..6974, 7066..7155, 7729..7917, 8606..8690, 9284..9450, 10794..10982, 11093..11174		
GI Descrip.	(AB025968) cycloartenol synthase [Glycyrrhiza glabra]		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47128	Strand	+
Start	6191	End	11174
Name	OJ990405_06.9A01.C28.o3.gs	Method	GENSCAN
Start	6191	End	10915
GI	none	Score	.84
Exons	6191..6388, 6774..6974, 7066..7155, 7729..7917, 9284..9450, 10182..10445, 10765..10915		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47128	Strand	+
Start	6191	End	11174
Name	OJ990405_06.9A01.C28.o2.gp	Method	AAT/GAP
Start	10153	End	10675
GI	uC-osflcyp175e08b1	Score	990
Exons	10153..10675		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47129	Strand	-
Start	3365	End	5184
Name	OJ990405_06.9A01.C28.o2.gs	Method	GENSCAN
Start	3365	End	5184
GI	none	Score	.74
Exons	3365..3493, 3831..3967, 4938..5184		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47129	Strand	-
Start	3365	End	5184
Name	OJ990405_06.9A01.C28.o1.gp	Method	AAT/GAP
Start	3592	End	4086
GI	576771	Score	757
Exons	3592..3804, 3831..4086		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47130	Strand	
Start	6185	End	10985
Name	OJ990405_06.9A01.C28.o2.ts	Method	TBLASTX:Soybean
Start	6185	End	7140
GI	none	Score	195
Exons	6185..6388, 6185..6316, 6759..6788, 6761..6787, 6846..6968, 6909..6977, 7066..7140, 7083..7139		

Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47130	Strand	
Start	6185	End	10985
Name	OJ990405_06.9A01.C28.o2.tm	Method	TBLASTX:Maize
Start	6187	End	6388
GI	none	Score	110

Exons	6187..6294, 6189..6269, 6191..6388, 6191..6388		
Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47130	Strand	
Start	6185	End	10985
Name	OJ990405_06.9A01.C28.o1.tc	Method	TBLASTX:Cress
Start	6188	End	10985
GI	none	Score	211
Exons	6188..6388, 6830..6967, 6831..6968, 7066..7155, 7726..7833, 7728..7829, 7816..7920, 7842..7919, 8606..8692, 8611..8694, 9275..9376, 9282..9404, 9283..9450, 9292..9450, 10791..10985, 10818..10985		
Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47130	Strand	
Start	6185	End	10985
Name	OJ990405_06.9A01.C28.o1.tm	Method	TBLASTX:Maize
Start	6792	End	7827
GI	none	Score	187
Exons	6792..6977, 6795..6968, 6827..6979, 6833..6988, 7065..7151, 7065..7151, 7066..7155, 7066..7155, 7726..7827, 7728..7826		
Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47130	Strand	
Start	6185	End	10985
Name	OJ990405_06.9A01.C28.o1.ts	Method	TBLASTX:Soybean
Start	7726	End	10985
GI	none	Score	117
Exons	7726..7839, 7728..7859, 7816..7920, 7854..7919, 8606..8692, 8606..8692, 8611..8694, 9283..9450, 9303..9443, 10791..10985		
Seq. No.	22653	Seq. ID	OJ990405_06.9A01.C28
Gene No.	47130	Strand	
Start	6185	End	10985
Name	OJ990405_06.9A01.C28.o3.tm	Method	TBLASTX:Maize
Start	8606	End	10985
GI	none	Score	133
Exons	8606..8692, 8611..8694, 9283..9450, 9303..9452, 10791..10985, 10791..10985		
Seq. No.	22654	Seq. ID	OJ990405_06.9A01.C29
Gene No.	47131	Strand	+
Start	415	End	993
Name	OJ990405_06.9A01.C29.o1.gp	Method	AAT/GAP
Start	415	End	549
GI	uC-osflcyp065e03b1	Score	204
Exons	415..549		
GI Descrip.	'541855/pir||A49398 4.0e-50 cycloartenol synthase (EC 5.4.99.8) - Arabidopsis thaliana'		
Seq. No.	22654	Seq. ID	OJ990405_06.9A01.C29
Gene No.	47131	Strand	+
Start	415	End	993
Name	OJ990405_06.9A01.C29.o1.np	Method	AAT/NAP
Start	436	End	993
GI	584882	Score	120
Exons	436..550, 944..993		

GI Descrip.	CYCLOARTENOL SYNTHASE (2,3-EPOXYSQUALENE--CYCLOARTENOL CYCLASE) gi|452446 (U02555) cycloartenol synthase; (S)-2,3-epoxysqualene mutase [Arabidopsis thaliana]		
Seq. No.	22655	Seq. ID	OJ990405_06.9A01.C30
Gene No.	47132	Strand	+
Start	1	End	712
Name	OJ990405_06.9A01.C30.o1.np	Method	AAT/NAP
Start	1	End	712
GI	6691716	Score	373
Exons	1..109, 184..279, 429..549, 612..712		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	22655	Seq. ID	OJ990405_06.9A01.C30
Gene No.	47132	Strand	+
Start	1	End	712
Name	OJ990405_06.9A01.C30.o1.gs	Method	GENSCAN
Start	184	End	373
GI	none	Score	.82
Exons	184..373		
Seq. No.	22656	Seq. ID	OJ990405_06.9A01.C31
Gene No.	47133	Strand	-
Start	497	End	574
Name	OJ990405_06.9A01.C31.o1.gp	Method	AAT/GAP
Start	497	End	574
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	497..574		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	22657	Seq. ID	OJ990405_06.9A01.C32
Gene No.	47134	Strand	-
Start	648	End	974
Name	OJ990405_06.9A01.C32.o1.tm	Method	TBLASTX:Maize
Start	450	End	963
GI	none	Score	75
Exons	450..551, 549..629, 696..842, 712..840, 892..963		
Seq. No.	22657	Seq. ID	OJ990405_06.9A01.C32
Gene No.	47134	Strand	-
Start	648	End	974
Name	OJ990405_06.9A01.C32.o1.gs	Method	GENSCAN
Start	648	End	974
GI	none	Score	.57
Exons	648..974		
Seq. No.	22658	Seq. ID	OJ990405_06.9A01.C34
Gene No.	47135	Strand	-
Start	1	End	677
Name	OJ990405_06.9A01.C34.o1.np	Method	AAT/NAP
Start	1	End	677
GI	5902444	Score	974
Exons	1..677		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	22658	Seq. ID	OJ990405_06.9A01.C34
Gene No.	47135	Strand	-
Start	1	End	677
Name	OJ990405_06.9A01.C34.o1.gs	Method	GENSCAN
Start	20	End	515
GI	none	Score	.91
Exons	20..515		

Seq. No.	22658	Seq. ID	OJ990405_06.9A01.C34
Gene No.	47135	Strand	-
Start	1	End	677
Name	OJ990405_06.9A01.C34.o1.tm	Method	TBLASTX:Maize
Start	180	End	357
GI	none	Score	109
Exons	180..356, 211..357		

Seq. No.	22658	Seq. ID	OJ990405_06.9A01.C34
Gene No.	47135	Strand	-
Start	1	End	677
Name	OJ990405_06.9A01.C34.o1.tw	Method	TBLASTX:Wheat
Start	208	End	664
GI	none	Score	163
Exons	208..444, 210..440, 521..664, 555..662		

Seq. No.	22659	Seq. ID	OJ990405_06.9A01.C38
Gene No.	47136	Strand	+
Start	55	End	89
Name	OJ990405_06.9A01.C38.o1.gs	Method	GENSCAN
Start	55	End	89
GI	none	Score	.94
Exons	55..89		

Seq. No.	22660	Seq. ID	OJ990405_01.9A01.C1
Gene No.	47137	Strand	-
Start	1	End	576
Name	OJ990405_01.9A01.C1.o1.np	Method	AAT/NAP
Start	1	End	576
GI	5541721	Score	442
Exons	1..374, 497..576		

GI Descrip. (AL096856) cell division cycle protein 23 homolog [Arabidopsis thaliana]

Seq. No.	22660	Seq. ID	OJ990405_01.9A01.C1
Gene No.	47137	Strand	-
Start	1	End	576
Name	OJ990405_01.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	33	End	330
GI	none	Score	282
Exons	33..314, 33..314, 37..330		

Seq. No.	22660	Seq. ID	OJ990405_01.9A01.C1
Gene No.	47137	Strand	-
Start	1	End	576
Name	OJ990405_01.9A01.C1.o1.gs	Method	GENSCAN
Start	130	End	374

GI	none	Score	.7
Exons	130..374		
Seq. No.	22660	Seq. ID	OJ990405_01.9A01.C1
Gene No.	47137	Strand	-
Start	1	End	576
Name	OJ990405_01.9A01.C1.o1.ts	Method	TBLASTX:Soybean
Start	168	End	377
GI	none	Score	129
Exons	168..377, 168..332, 173..376		
Seq. No.	22661	Seq. ID	OJ990405_01.9A01.C6
Gene No.	47138	Strand	-
Start	186	End	268
Name	OJ990405_01.9A01.C6.o1.gs	Method	GENSCAN
Start	186	End	268
GI	none	Score	.59
Exons	186..268		
Seq. No.	22662	Seq. ID	OJ990405_01.9A01.C7
Gene No.	47139	Strand	-
Start	769	End	938
Name	OJ990405_01.9A01.C7.o1.gs	Method	GENSCAN
Start	769	End	938
GI	none	Score	.49
Exons	769..938		
Seq. No.	22663	Seq. ID	OJ990405_01.9A01.C8
Gene No.	47140	Strand	+
Start	214	End	352
Name	OJ990405_01.9A01.C8.o1.gs	Method	GENSCAN
Start	214	End	352
GI	none	Score	.77
Exons	214..352		
Seq. No.	22664	Seq. ID	OJ990405_01.9A01.C9
Gene No.	47141	Strand	-
Start	333	End	844
Name	OJ990405_01.9A01.C9.o1.gs	Method	GENSCAN
Start	333	End	844
GI	none	Score	.73
Exons	333..619, 672..844		
Seq. No.	22665	Seq. ID	OJ990405_01.9A01.C10
Gene No.	47142	Strand	
Start	105	End	256
Name	OJ990405_01.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	105	End	256
GI	none	Score	121
Exons	105..242, 108..242, 122..256, 124..255		
Seq. No.	22666	Seq. ID	OJ990405_01.9A01.C12
Gene No.	47143	Strand	-
Start	1	End	590
Name	OJ990405_01.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	590
GI	6907088	Score	565

Exons	1..277, 453..590		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	22666	Seq. ID	OJ990405_01.9A01.C12
Gene No.	47143	Strand	-
Start	1	End	590
Name	OJ990405_01.9A01.C12.o1.gs	Method	GENSCAN
Start	39	End	590
GI	none	Score	.52
Exons	39..143, 453..590		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47144	Strand	+
Start	2299	End	3219
Name	OJ990405_01.9A01.C13.o1.gp	Method	AAT/GAP
Start	2299	End	2956
GI	4716624	Score	1223
Exons	2299..2956		
GI Descrip.	3434967/dbj|BAA32418| 3.0e-26 (AB008103) ethylene responsive element binding factor 1 [Arabidopsis thaliana]		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47144	Strand	+
Start	2299	End	3219
Name	OJ990405_01.9A01.C13.o1.np	Method	AAT/NAP
Start	2412	End	3219
GI	1208498	Score	359
Exons	2412..2678, 2742..2963, 3003..3219		
GI Descrip.	(D38126) EREBP-2 [Nicotiana tabacum]		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47145	Strand	+
Start	9964	End	15916
Name	OJ990405_01.9A01.C13.o2.np	Method	AAT/NAP
Start	9935	End	12153
GI	4538896	Score	1602
Exons	9935..9988, 10054..10430, 10539..11054, 11115..12153		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47145	Strand	+
Start	9964	End	15916
Name	OJ990405_01.9A01.C13.o2.gs	Method	GENSCAN
Start	9964	End	13296
GI	none	Score	.58
Exons	9964..10119, 10477..11017, 11504..11686, 11843..12175, 12401..12474, 13189..13296		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47145	Strand	+
Start	9964	End	15916
Name	OJ990405_01.9A01.C13.o3.np	Method	AAT/NAP
Start	12871	End	15913
GI	2317905	Score	460
Exons	12871..12890, 14279..14406, 14554..14757, 14879..14950, 15023..15439, 15512..15663, 15689..15913		
GI Descrip.	(U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47145	Strand	+
Start	9964	End	15916
Name	OJ990405_01.9A01.C13.o3.gs	Method	GENSCAN
Start	13850	End	15916
GI	none	Score	.82
Exons	13850..14408, 14606..14757, 14879..15916		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47145	Strand	+
Start	9964	End	15916
Name	OJ990405_01.9A01.C13.o4.np	Method	AAT/NAP
Start	14147	End	15526
GI	600855	Score	427
Exons	14147..14406, 14554..14757, 14879..15526		
GI Descrip.	(U17887) bZIP protein [Arabidopsis thaliana]		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o5.tm	Method	TBLASTX:Maize
Start	2285	End	2635
GI	none	Score	48
Exons	2285..2380, 2307..2348, 2458..2523, 2459..2635, 2460..2627		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	2329	End	2707
GI	none	Score	67
Exons	2329..2391, 2330..2368, 2361..2390, 2436..2627, 2444..2620, 2615..2707, 2618..2650		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o1.ts	Method	TBLASTX:Soybean
Start	2352	End	2960
GI	none	Score	45
Exons	2352..2390, 2498..2578, 2499..2579, 2750..2947, 2751..2960		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o1.tc	Method	TBLASTX:Cress
Start	2499	End	2960
GI	none	Score	102
Exons	2499..2588, 2501..2599, 2741..2947, 2742..2960		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o6.tm	Method	TBLASTX:Maize
Start	2726	End	2960
GI	none	Score	223

Exons	2726..2956, 2727..2960		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o3.tm	Method	TBLASTX:Maize
Start	7903	End	8184
GI	none	Score	72
Exons	7903..8184, 8014..8178		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	10948	End	11343
GI	none	Score	266
Exons	10948..11256, 10983..11150, 11266..11343, 11268..11321		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o6.np	Method	AAT/NAP
Start	13534	End	18451
GI	2245109	Score	158
Exons	13534..13636, 14931..14965, 17561..17642, 17728..17786, 18352..18451		
GI Descrip.	(Z97343) carboxyl-terminal proteinase like protein [Arabidopsis thaliana]		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o7.tm	Method	TBLASTX:Maize
Start	13876	End	14143
GI	none	Score	132
Exons	13876..14121, 14018..14143		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o2.tc	Method	TBLASTX:Cress
Start	14231	End	15916
GI	none	Score	101
Exons	14231..14410, 14671..14784, 14866..14943, 14873..15208, 15046..15183, 15134..15337, 15206..15331, 15650..15916, 15664..15891		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o2.ts	Method	TBLASTX:Soybean
Start	14276	End	15208
GI	none	Score	97
Exons	14276..14410, 14284..14412, 14671..14757, 14873..15208		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-

Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o2.tm	Method	TBLASTX:Maize
Start	14879	End	15358
GI	none	Score	290
Exons	14879..15358, 15046..15333, 15236..15343		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o4.tm	Method	TBLASTX:Maize
Start	15715	End	15895
GI	none	Score	241
Exons	15715..15891, 15716..15895		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o2.gp	Method	AAT/GAP
Start	16181	End	17609
GI	3896_1.R1084	Score	1073
Exons	16181..16584, 16917..16993, 17086..17134, 17568..17609		
GI Descrip.	'5174741/ref|NP_005993.1|pUCHL3| 1.0e-12 ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) >gi_136682_sp_P15374_UBL3_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE ISOZYME L3 (UCH-L3) (UBIQUITIN THIOLESTERASE L3) >gi_108014_pir__A40085 ubiquitin carboxyl-terminal proteinase (EC 3.4.-.-) L3 - human >gi_2914274_pdb_1UCH_ Deubiquitinating Enzyme Uch-L3 (Human) At 1.8 Angstr'		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o8.tm	Method	TBLASTX:Maize
Start	16478	End	17800
GI	none	Score	113
Exons	16478..16606, 16507..16587, 16915..17010, 16916..16993, 16917..16994, 17045..17134, 17085..17135, 17567..17647, 17568..17645, 17728..17793, 17728..17793, 17732..17800, 17735..17797		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o4.gs	Method	GENSCAN
Start	16498	End	18457
GI	none	Score	.68
Exons	16498..16584, 17108..17134, 17568..17642, 17728..17786, 18352..18457		

Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o5.np	Method	AAT/NAP
Start	16498	End	18445
GI	5052490	Score	100
Exons	16498..16584, 16917..17001, 17521..17642, 17728..17792, 18364..18445		

GI Descrip.	(AF145600) ubiquitin carboxy-terminal hydrolase [Drosophila melanogaster]		
Seq. No.	22667	Seq. ID	OJ990405_01.9A01.C13
Gene No.	47146	Strand	-
Start	13534	End	18459
Name	OJ990405_01.9A01.C13.o3.gp	Method	AAT/GAP
Start	18340	End	18459
GI	LIB3431-038-P1-K1-H12	Score	182
Exons	18340..18459		
GI Descrip.	'2245109/emb|CAB10531.1| 2.0e-34 (Z97343) carboxyl-terminal proteinase like protein [Arabidopsis thaliana]'		
Seq. No.	22668	Seq. ID	OJ990405_01.9A01.C14
Gene No.	47147	Strand	-
Start	1	End	1261
Name	OJ990405_01.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	1260
GI	2245109	Score	177
Exons	1..125, 915..1042, 1186..1260		
GI Descrip.	(Z97343) carboxyl-terminal proteinase like protein [Arabidopsis thaliana]		
Seq. No.	22668	Seq. ID	OJ990405_01.9A01.C14
Gene No.	47147	Strand	-
Start	1	End	1261
Name	OJ990405_01.9A01.C14.o1.gp	Method	AAT/GAP
Start	38	End	152
GI	12650_1.R1084	Score	165
Exons	38..152		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-24 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	22668	Seq. ID	OJ990405_01.9A01.C14
Gene No.	47147	Strand	-
Start	1	End	1261
Name	OJ990405_01.9A01.C14.o1.gs	Method	GENSCAN
Start	253	End	1236
GI	none	Score	.93
Exons	253..335, 760..873, 911..1141, 1186..1236		
Seq. No.	22668	Seq. ID	OJ990405_01.9A01.C14
Gene No.	47147	Strand	-
Start	1	End	1261
Name	OJ990405_01.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	744	End	1254
GI	none	Score	43
Exons	744..791, 758..787, 909..1043, 911..1045, 911..1045, 1181..1252, 1186..1254, 1186..1251		
Seq. No.	22668	Seq. ID	OJ990405_01.9A01.C14
Gene No.	47147	Strand	-
Start	1	End	1261
Name	OJ990405_01.9A01.C14.o2.gp	Method	AAT/GAP
Start	759	End	1261
GI	LIB3431-038-P1-K1-H12	Score	462
Exons	759..813, 911..1042, 1186..1261		

GI Descrip. '2245109/emb|CAB10531.1| 2.0e-34 (Z97343) carboxyl-terminal proteinase like protein [Arabidopsis thaliana]'

Seq. No.	22668	Seq. ID	OJ990405_01.9A01.C14
Gene No.	47147	Strand	-
Start	1	End	1261
Name	OJ990405_01.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	914	End	1248
GI	none	Score	109
Exons	914..1045, 918..1043, 1186..1248		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47148	Strand	+
Start	1443	End	7831
Name	OJ990405_01.9A01.C15.o1.gs	Method	GENSCAN
Start	1443	End	7831
GI	none	Score	.65
Exons	1443..1621, 1955..1997, 2661..2710, 2904..3176, 3718..3813, 3970..4635, 5392..5426, 5873..5960, 6049..6184, 6282..6337, 6550..6693, 7176..7241, 7310..7559, 7656..7831		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47148	Strand	+
Start	1443	End	7831
Name	OJ990405_01.9A01.C15.o1.gp	Method	AAT/GAP
Start	3129	End	4311
GI	none	Score	906
Exons	3129..3176, 3718..3813, 3970..4311		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o3.ts	Method	TBLASTX:Soybean
Start	5710	End	7441
GI	none	Score	54
Exons	5710..5766, 5849..5962, 5871..5960, 5874..5963, 5876..5962, 6069..6182, 6070..6183, 6287..6337, 6410..6466, 6411..6467, 6549..6695, 6550..6690, 7193..7252, 7307..7438, 7313..7441, 7339..7440		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o4.tm	Method	TBLASTX:Maize
Start	6121	End	6630
GI	none	Score	70
Exons	6121..6183, 6123..6182, 6277..6336, 6287..6337, 6394..6468, 6410..6472, 6411..6473, 6540..6629, 6549..6626, 6550..6630		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o3.tm	Method	TBLASTX:Maize
Start	6632	End	7855
GI	none	Score	98
Exons	6632..6694, 6633..6698, 6634..6693, 7169..7252, 7307..7465, 7311..7475, 7322..7501, 7345..7473, 7359..7475, 7495..7560,		

7496..7561, 7654..7677, 7671..7838, 7705..7851, 7706..7855

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o2.gs	Method	GENSCAN
Start	8337	End	10674
GI	none	Score	.93
Exons	8337..9228, 9743..10674		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o1.tc	Method	TBLASTX:Cress
Start	8348	End	10326
GI	none	Score	82
Exons	8348..8386, 8435..8536, 8464..8541, 8533..8877, 8538..8879, 8928..8987, 8982..9020, 8986..9018, 9033..9233, 9040..9189, 9093..9227, 9742..10326, 9800..10099		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o1.ts	Method	TBLASTX:Soybean
Start	8348	End	9822
GI	none	Score	77
Exons	8348..8395, 8464..8541, 8465..8536, 8533..8877, 8538..8879, 8898..8981, 8985..9233, 8986..9186, 9099..9203, 9742..9822, 9748..9822		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o1.np	Method	AAT/NAP
Start	8351	End	10684
GI	2344901	Score	1897
Exons	8351..9228, 9743..10684		
GI Descrip.	(AC002388) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o1.tw	Method	TBLASTX:Wheat
Start	8366	End	8816
GI	none	Score	39
Exons	8366..8419, 8366..8410, 8383..8541, 8444..8536, 8533..8814, 8538..8816		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	8473	End	9212
GI	none	Score	88
Exons	8473..8535, 8474..8536, 8479..8550, 8533..8880, 8541..8879, 8863..9189, 8886..9188, 9093..9212, 9179..9205		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o2.tm	Method	TBLASTX:Maize
Start	9741	End	10368
GI	none	Score	74
Exons	9741..9905, 9742..10368, 9800..10075, 10023..10214		

Seq. No.	22669	Seq. ID	OJ990405_01.9A01.C15
Gene No.	47149	Strand	-
Start	8337	End	10684
Name	OJ990405_01.9A01.C15.o2.ts	Method	TBLASTX:Soybean
Start	9823	End	10293
GI	none	Score	287
Exons	9823..10293, 9824..10099		

Seq. No.	22670	Seq. ID	OJ990405_01.9A01.C16
Gene No.	47150	Strand	-
Start	595	End	695
Name	OJ990405_01.9A01.C16.o1.gs	Method	GENSCAN
Start	595	End	695
GI	none	Score	.45
Exons	595..695		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47151	Strand	-
Start	2858	End	5672
Name	OJ990405_01.9A01.C17.o2.gs	Method	GENSCAN
Start	2858	End	5652
GI	none	Score	.83
Exons	2858..3034, 3203..3279, 3411..3514, 3885..3936, 5312..5419, 5496..5652		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47151	Strand	-
Start	2858	End	5672
Name	OJ990405_01.9A01.C17.o1.np	Method	AAT/NAP
Start	2861	End	5344
GI	2245034	Score	644
Exons	2861..3034, 3203..3279, 3411..3514, 3885..3936, 4044..4134, 4352..4426, 5231..5344		
GI Descrip.	(Z97342) enoyl-CoA hydratase [Arabidopsis thaliana]		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47151	Strand	-
Start	2858	End	5672
Name	OJ990405_01.9A01.C17.o1.gp	Method	AAT/GAP
Start	2867	End	3940
GI	LIB3433-055-P1-K1-E3	Score	788
Exons	2867..3034, 3203..3279, 3411..3514, 3856..3940		
GI Descrip.	'2245034/emb|CAB10453.1| 4.0e-46 (Z97342) enoyl-CoA hydratase [Arabidopsis thaliana]'		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47151	Strand	-
Start	2858	End	5672
Name	OJ990405_01.9A01.C17.o2.gp	Method	AAT/GAP

Start	4063	End	5672
GI	uC-osf1M202054h12b1	Score	916
Exons	4063..4134, 4352..4426, 5231..5400, 5496..5672		
GI Descrip.	'2245034/emb|CAB10453.1| 9.0e-17 (Z97342) enoyl-CoA hydratase [Arabidopsis thaliana]'		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47152	Strand	-
Start	6635	End	10216
Name	OJ990405_01.9A01.C17.o1.tw	Method	TBLASTX:Wheat
Start	2815	End	6771
GI	none	Score	144
Exons	2815..2976, 2852..2986, 2867..2992, 6635..6757, 6637..6747, 6637..6771		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47152	Strand	-
Start	6635	End	10216
Name	OJ990405_01.9A01.C17.o1.tm	Method	TBLASTX:Maize
Start	3884	End	10166
GI	none	Score	57
Exons	3884..3937, 3885..3938, 4042..4137, 4043..4135, 4352..4429, 5219..5407, 5229..5405, 5231..5422, 5494..5625, 5495..5581, 7830..7883, 7989..8087, 7990..8091, 8019..8093, 8236..8313, 8237..8311, 9056..9193, 9058..9225, 9058..9225, 9173..9229, 10080..10166		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47152	Strand	-
Start	6635	End	10216
Name	OJ990405_01.9A01.C17.o1.ts	Method	TBLASTX:Soybean
Start	5229	End	9234
GI	none	Score	48
Exons	5229..5273, 5231..5407, 5334..5408, 9058..9234		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47152	Strand	-
Start	6635	End	10216
Name	OJ990405_01.9A01.C17.o3.gs	Method	GENSCAN
Start	6635	End	10216
GI	none	Score	.54
Exons	6635..6814, 6980..7056, 7139..7242, 7831..7882, 8033..8081, 9058..9227, 9615..9751, 9843..10049, 10077..10216		

Seq. No.	22671	Seq. ID	OJ990405_01.9A01.C17
Gene No.	47152	Strand	-
Start	6635	End	10216
Name	OJ990405_01.9A01.C17.o2.np	Method	AAT/NAP
Start	6638	End	9171
GI	2245034	Score	590
Exons	6638..6814, 6980..7056, 7139..7242, 7831..7882, 7991..8081, 8236..8310, 9058..9171		
GI Descrip.	(Z97342) enoyl-CoA hydratase [Arabidopsis thaliana]		

Seq. No.	22672	Seq. ID	OJ990405_01.9A01.C18
Gene No.	47153	Strand	-
Start	51	End	146

Name	OJ990405_01.9A01.C18.o1.gs	Method	GENSCAN
Start	51	End	146
GI	none	Score	.59
Exons	51..146		

Seq. No.	22672	Seq. ID	OJ990405_01.9A01.C18
Gene No.	47154	Strand	-
Start	168	End	529
Name	OJ990405_01.9A01.C18.o1.np	Method	AAT/NAP
Start	168	End	529
GI	6907088	Score	530
Exons	168..529		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22673	Seq. ID	OJ990405_01.9A01.C19
Gene No.	47155	Strand	+
Start	938	End	1718
Name	OJ990405_01.9A01.C19.o1.np	Method	AAT/NAP
Start	938	End	1718
GI	6002794	Score	1253
Exons	938..1718		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	22673	Seq. ID	OJ990405_01.9A01.C19
Gene No.	47156	Strand	+
Start	2227	End	3946
Name	OJ990405_01.9A01.C19.o2.np	Method	AAT/NAP
Start	2227	End	3946
GI	4539660	Score	697
Exons	2227..3267, 3355..3946		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	22673	Seq. ID	OJ990405_01.9A01.C19
Gene No.	47156	Strand	+
Start	2227	End	3946
Name	OJ990405_01.9A01.C19.o2.tw	Method	TBLASTX:Wheat
Start	2434	End	2805
GI	none	Score	263
Exons	2434..2805		

Seq. No.	22673	Seq. ID	OJ990405_01.9A01.C19
Gene No.	47156	Strand	+
Start	2227	End	3946
Name	OJ990405_01.9A01.C19.o1.tm	Method	TBLASTX:Maize
Start	2686	End	3087
GI	none	Score	244
Exons	2686..3087		

Seq. No.	22673	Seq. ID	OJ990405_01.9A01.C19
Gene No.	47156	Strand	+
Start	2227	End	3946
Name	OJ990405_01.9A01.C19.o2.tm	Method	TBLASTX:Maize
Start	3397	End	3720
GI	none	Score	200
Exons	3397..3720, 3444..3509		

Seq. No.	22673	Seq. ID	OJ990405_01.9A01.C19

Gene No.	47156	Strand	+
Start	2227	End	3946
Name	OJ990405_01.9A01.C19.o1.tw	Method	TBLASTX:Wheat
Start	3402	End	3801
GI	none	Score	166
Exons	3402..3557, 3403..3624, 3633..3752, 3637..3801		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o1.np	Method	AAT/NAP
Start	1	End	1524
GI	5257279	Score	1842
Exons	1..1524		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o3.tw	Method	TBLASTX:Wheat
Start	79	End	442
GI	none	Score	159
Exons	79..261, 80..268, 344..442, 367..441		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o1.gs	Method	GENSCAN
Start	209	End	1180
GI	none	Score	.75
Exons	209..1180		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o3.tm	Method	TBLASTX:Maize
Start	317	End	514
GI	none	Score	202
Exons	317..514, 367..513		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o1.tw	Method	TBLASTX:Wheat
Start	445	End	928
GI	none	Score	539
Exons	445..900, 446..928, 473..919		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o1.tm	Method	TBLASTX:Maize
Start	515	End	982
GI	none	Score	389
Exons	515..982, 586..945		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o1.ts	Method	TBLASTX:Soybean
Start	869	End	1263
GI	none	Score	56
Exons	869..901, 869..901, 886..981, 905..1108, 905..1048, 1021..1107, 1107..1235, 1108..1263		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o2.tw	Method	TBLASTX:Wheat
Start	977	End	1377
GI	none	Score	161
Exons	977..1108, 977..1084, 1021..1107, 1108..1377, 1110..1376		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o2.tm	Method	TBLASTX:Maize
Start	1164	End	1524
GI	none	Score	58
Exons	1164..1433, 1164..1523, 1165..1524		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o2.ts	Method	TBLASTX:Soybean
Start	1285	End	1524
GI	none	Score	202
Exons	1285..1524		

Seq. No.	22674	Seq. ID	OJ990405_01.9A01.C20
Gene No.	47157	Strand	+
Start	1	End	1524
Name	OJ990405_01.9A01.C20.o4.tw	Method	TBLASTX:Wheat
Start	1378	End	1524
GI	none	Score	218
Exons	1378..1524, 1380..1523, 1408..1524		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o1.np	Method	AAT/NAP
Start	1	End	1552
GI	4680179	Score	1803
Exons	1..1552		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o1.gs	Method	GENSCAN
Start	82	End	1539
GI	none	Score	.67
Exons	82..1539		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o2.tw	Method	TBLASTX:Wheat
Start	156	End	680
GI	none	Score	575
Exons	156..680, 308..676		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o1.tc	Method	TBLASTX:Cress
Start	387	End	704
GI	none	Score	101
Exons	387..560, 408..560, 561..704, 563..688		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	473	End	728
GI	none	Score	295
Exons	473..718, 480..728, 600..728		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o2.tm	Method	TBLASTX:Maize
Start	528	End	818
GI	none	Score	378
Exons	528..818, 539..718, 600..815		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	687	End	1313
GI	none	Score	672
Exons	687..1313, 782..1189, 834..1262		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	870	End	1463
GI	none	Score	221
Exons	870..1028, 875..1021, 1025..1207, 1025..1168, 1026..1463, 1146..1262, 1244..1453, 1368..1463		

Seq. No.	22675	Seq. ID	OJ990405_01.9A01.C21
Gene No.	47158	Strand	+
Start	1	End	1552
Name	OJ990405_01.9A01.C21.o3.tw	Method	TBLASTX:Wheat
Start	1314	End	1550
GI	none	Score	248
Exons	1314..1550, 1321..1419, 1353..1538, 1409..1549		

Seq. No.	22676	Seq. ID	OJ990405_01.9A01.C22
Gene No.	47159	Strand	+
Start	6971	End	10303
Name	OJ990405_01.9A01.C22.o2.gs	Method	GENSCAN
Start	6971	End	10303
GI	none	Score	.64
Exons	6971..7171, 7255..7417, 7430..7540, 8578..8783, 10223..10303		

Seq. No.	22676	Seq. ID	OJ990405_01.9A01.C22
Gene No.	47160	Strand	-
Start	983	End	2413
Name	OJ990405_01.9A01.C22.o1.np	Method	AAT/NAP
Start	983	End	2413
GI	6907088	Score	1236
Exons	983..1369, 1862..2100, 2276..2413		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	22676	Seq. ID	OJ990405_01.9A01.C22
Gene No.	47161	Strand	-
Start	5281	End	10752
Name	OJ990405_01.9A01.C22.o2.np	Method	AAT/NAP
Start	5281	End	10752
GI	81286	Score	80
Exons	5281..5452, 6262..6422, 7020..7122, 10695..10752		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	22676	Seq. ID	OJ990405_01.9A01.C22
Gene No.	47161	Strand	-
Start	5281	End	10752
Name	OJ990405_01.9A01.C22.o1.tm	Method	TBLASTX:Maize
Start	7069	End	7452
GI	none	Score	87
Exons	7069..7119, 7070..7120, 7100..7171, 7117..7170, 7252..7452, 7252..7452		

Seq. No.	22676	Seq. ID	OJ990405_01.9A01.C22
Gene No.	47161	Strand	-
Start	5281	End	10752
Name	OJ990405_01.9A01.C22.o1.ts	Method	TBLASTX:Soybean
Start	8562	End	8930
GI	none	Score	319
Exons	8562..8930, 8564..8767, 8583..8810		

Seq. No.	22676	Seq. ID	OJ990405_01.9A01.C22
Gene No.	47161	Strand	-
Start	5281	End	10752
Name	OJ990405_01.9A01.C22.o2.tm	Method	TBLASTX:Maize
Start	8624	End	8912
GI	none	Score	63
Exons	8624..8668, 8625..8693, 8715..8912, 8720..8911		

Seq. No.	22677	Seq. ID	OJ990405_01.9A01.C23
Gene No.	47162	Strand	+
Start	203	End	8739
Name	OJ990405_01.9A01.C23.o1.gs	Method	GENSCAN

Start	203	End	8739
GI	none	Score	.43
Exons	203..261, 1189..1316, 1506..1561, 2864..3064, 5693..5883, 6736..6925, 7575..7863, 8711..8739		

Seq. No.	22677	Seq. ID	OJ990405_01.9A01.C23
Gene No.	47162	Strand	+
Start	203	End	8739
Name	OJ990405_01.9A01.C23.o1.np	Method	AAT/NAP
Start	5201	End	6545
GI	6630699	Score	82
Exons	5201..5232, 6442..6545		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	22677	Seq. ID	OJ990405_01.9A01.C23
Gene No.	47162	Strand	+
Start	203	End	8739
Name	OJ990405_01.9A01.C23.o2.np	Method	AAT/NAP
Start	5639	End	7092
GI	6539570	Score	161
Exons	5639..5675, 6713..6886, 7038..7092		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	22677	Seq. ID	OJ990405_01.9A01.C23
Gene No.	47163	Strand	-
Start	10277	End	10729
Name	OJ990405_01.9A01.C23.o2.gs	Method	GENSCAN
Start	10277	End	10729
GI	none	Score	.9
Exons	10277..10729		

Seq. No.	22678	Seq. ID	OJ990405_01.9A01.C24
Gene No.	47164	Strand	+
Start	48	End	385
Name	OJ990405_01.9A01.C24.o1.gs	Method	GENSCAN
Start	48	End	385
GI	none	Score	.5
Exons	48..385		

Seq. No.	22678	Seq. ID	OJ990405_01.9A01.C24
Gene No.	47165	Strand	+
Start	3438	End	3778
Name	OJ990405_01.9A01.C24.o2.gs	Method	GENSCAN
Start	3438	End	3778
GI	none	Score	.92
Exons	3438..3509, 3551..3778		

Seq. No.	22678	Seq. ID	OJ990405_01.9A01.C24
Gene No.	47166	Strand	+
Start	8453	End	8755
Name	OJ990405_01.9A01.C24.o1.gp	Method	AAT/GAP
Start	8453	End	8755
GI	1675_2.R1084	Score	583
Exons	8453..8755		
GI Descrip.	'3763918 2.0e-59 (AC004450) putative isopropylmalate dehydratase		

[Arabidopsis thaliana]'

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47167	Strand	+
Start	671	End	5706
Name	OJ990405_01.9A01.C25.o2.np	Method	AAT/NAP
Start	671	End	5706
GI	2245108	Score	500
Exons	671..690, 4227..4389, 4973..5263, 5348..5416, 5561..5706		
GI Descrip.	(Z97343) EREBP-4 like protein [Arabidopsis thaliana]		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47167	Strand	+
Start	671	End	5706
Name	OJ990405_01.9A01.C25.o1.gp	Method	AAT/GAP
Start	969	End	1785
GI	1675_2.R1084	Score	1581
Exons	969..1785		
GI Descrip.	'3763918 2.0e-59 (AC004450) putative isopropylmalate dehydratase [Arabidopsis thaliana]'		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47167	Strand	+
Start	671	End	5706
Name	OJ990405_01.9A01.C25.o2.gs	Method	GENSCAN
Start	4208	End	5706
GI	none	Score	.53
Exons	4208..4325, 4976..5206, 5348..5428, 5579..5706		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47168	Strand	-
Start	977	End	1750
Name	OJ990405_01.9A01.C25.o1.gs	Method	GENSCAN
Start	977	End	1750
GI	none	Score	.97
Exons	977..1750		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47168	Strand	-
Start	977	End	1750
Name	OJ990405_01.9A01.C25.o1.np	Method	AAT/NAP
Start	980	End	1729
GI	3763918	Score	656
Exons	980..1729		
GI Descrip.	(AC004450) 3-isopropylmalate dehydratase, small subunit [Arabidopsis thaliana]		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o1.tm	Method	TBLASTX:Maize
Start	976	End	1510
GI	none	Score	186
Exons	976..1203, 980..1510, 981..1508, 1370..1510		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-

Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o1.tc	Method	TBLASTX:Cress
Start	977	End	1525
GI	none	Score	134
Exons	977..1108, 981..1103, 995..1114, 1118..1153, 1167..1226, 1178..1384, 1287..1370, 1391..1525, 1392..1523		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o1.ts	Method	TBLASTX:Soybean
Start	1001	End	1600
GI	none	Score	146
Exons	1001..1156, 1002..1181, 1173..1364, 1178..1381, 1391..1600, 1392..1523		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o2.tm	Method	TBLASTX:Maize
Start	4195	End	5789
GI	none	Score	176
Exons	4195..4323, 4196..4324, 4205..4324, 4971..5264, 4974..5264, 4975..5265, 5343..5411, 5344..5427, 5344..5439, 5369..5437, 5579..5599, 5611..5703, 5611..5703, 5625..5744, 5631..5738, 5763..5789		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o1.tw	Method	TBLASTX:Wheat
Start	4196	End	5379
GI	none	Score	142
Exons	4196..4324, 4202..4324, 4971..5264, 4973..5260, 4973..5269, 4975..5271, 5344..5379		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o2.tc	Method	TBLASTX:Cress
Start	4211	End	5262
GI	none	Score	145
Exons	4211..4324, 4231..4323, 4978..5148, 4986..5147, 5152..5262, 5178..5261		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o2.ts	Method	TBLASTX:Soybean
Start	4240	End	5409
GI	none	Score	119
Exons	4240..4323, 4241..4324, 4971..5273, 4974..5252, 4975..5274, 5343..5396, 5344..5409		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638

Name	OJ990405_01.9A01.C25.o3.gs	Method	GENSCAN
Start	9105	End	13548
GI	none	Score	.84
Exons	9105..9173, 9422..9544, 9724..9821, 10611..10725, 11132..11266, 11946..12016, 12785..12852, 13421..13548		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o2.gp	Method	AAT/GAP
Start	9181	End	10887
GI	3801_1.R1084	Score	1111
Exons	9181..9567, 9724..9821, 10611..10725, 10821..10887		
GI Descrip.	'3540182 3.0e-18 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o3.tc	Method	TBLASTX:Cress
Start	9763	End	11207
GI	none	Score	61
Exons	9763..9822, 9767..9811, 10666..10728, 10821..10865, 10957..11025, 11102..11206, 11124..11207		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o3.np	Method	AAT/NAP
Start	10591	End	13638
GI	4539295	Score	365
Exons	10591..10704, 10789..10873, 10914..11030, 11145..11266, 11626..11848, 11905..12035, 12774..12852, 13421..13638		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o4.tm	Method	TBLASTX:Maize
Start	10818	End	11202
GI	none	Score	114
Exons	10818..10865, 10957..11025, 11121..11201, 11122..11202, 11123..11200		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o3.ts	Method	TBLASTX:Soybean
Start	11068	End	11698
GI	none	Score	148
Exons	11068..11214, 11094..11270, 11096..11275, 11096..11275, 11618..11698, 11623..11697		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o3.tm	Method	TBLASTX:Maize

Start	11202	End	12013
GI	none	Score	111
Exons	11202..11288, 11617..11703, 11624..11722, 11626..11727, 11726..11854, 11738..11857, 11746..11862, 11926..12012, 11940..12011, 11945..12013		

Seq. No.	22679	Seq. ID	OJ990405_01.9A01.C25
Gene No.	47169	Strand	-
Start	9105	End	13638
Name	OJ990405_01.9A01.C25.o2.tw	Method	TBLASTX:Wheat
Start	11623	End	12010
GI	none	Score	151
Exons	11623..11706, 11624..11728, 11625..11732, 11626..11736, 11726..11854, 11727..11861, 11744..11854, 11749..11877, 11803..11862, 11931..12005, 11942..12007, 11943..12008, 11945..12010		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47170	Strand	+
Start	2240	End	9819
Name	OJ990405_01.9A01.C26.o1.gs	Method	GENSCAN
Start	2240	End	8997
GI	none	Score	.48
Exons	2240..2293, 3315..3341, 3378..3617, 4445..4553, 4766..5126, 5369..5407, 5427..5626, 5694..5945, 6581..6990, 7191..7367, 7518..7742, 7832..8008, 8100..8336, 8845..8997		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47170	Strand	+
Start	2240	End	9819
Name	OJ990405_01.9A01.C26.o1.np	Method	AAT/NAP
Start	5768	End	9819
GI	6006869	Score	521
Exons	5768..5945, 6581..6989, 7172..7367, 7518..7742, 7832..8059, 9728..9819		
GI Descrip.	(AC009540) putative cationic amino acid transporter [Arabidopsis thaliana]		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47170	Strand	+
Start	2240	End	9819
Name	OJ990405_01.9A01.C26.o2.gp	Method	AAT/GAP
Start	7934	End	8281
GI	LIB3434-056-P1-K1-B12	Score	431
Exons	7934..8008, 8100..8281		
GI Descrip.	'1710780/sp|P52810|RS9_PODAN 3.0e-13 40S RIBOSOMAL PROTEIN S9 (S7) >gi_1321917_emb_CAA65433_ (X96613) cytoplasmic ribosomal protein S7 [Podospora anserina]'		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47170	Strand	+
Start	2240	End	9819
Name	OJ990405_01.9A01.C26.o3.gp	Method	AAT/GAP
Start	8827	End	9298
GI	none	Score	885
Exons	8827..9298		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47171	Strand	-
Start	3734	End	3810
Name	OJ990405_01.9A01.C26.o1.gp	Method	AAT/GAP
Start	3734	End	3810
GI	5867_1.R1084	Score	97
Exons	3734..3810		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47172	Strand	
Start	5771	End	6874
Name	OJ990405_01.9A01.C26.o1.tm	Method	TBLASTX:Maize
Start	5771	End	6874
GI	none	Score	52
Exons	5771..5836, 5827..5946, 5828..5947, 5837..5947, 6579..6860, 6580..6873, 6580..6873, 6620..6874		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47172	Strand	
Start	5771	End	6874
Name	OJ990405_01.9A01.C26.o1.tc	Method	TBLASTX:Cress
Start	5795	End	6729
GI	none	Score	87
Exons	5795..5947, 5827..5946, 6579..6707, 6580..6729		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47173	Strand	
Start	7241	End	8162
Name	OJ990405_01.9A01.C26.o2.tm	Method	TBLASTX:Maize
Start	7241	End	8116
GI	none	Score	217
Exons	7241..7366, 7242..7367, 7473..7691, 7490..7732, 7664..7741, 7819..8004, 7820..8014, 7828..8007, 7871..8008, 8096..8116		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47173	Strand	
Start	7241	End	8162
Name	OJ990405_01.9A01.C26.o1.ts	Method	TBLASTX:Soybean
Start	7845	End	8162
GI	none	Score	90
Exons	7845..8000, 7845..8000, 7846..8004, 7846..8007, 7871..8008, 8093..8161, 8099..8146, 8100..8162		

Seq. No.	22680	Seq. ID	OJ990405_01.9A01.C26
Gene No.	47174	Strand	
Start	8118	End	9009
Name	OJ990405_01.9A01.C26.o3.tm	Method	TBLASTX:Maize
Start	8118	End	9009
GI	none	Score	242
Exons	8118..8339, 8118..8336, 8573..8689, 8595..8690, 8839..8949,		

8844..8945, 8941..9009, 8952..9002

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47175	Strand	+
Start	1	End	108
Name	OJ990405_01.9A01.C27.o1.gp	Method	AAT/GAP
Start	1	End	108
GI	none	Score	204
Exons	1..108		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47176	Strand	+
Start	1200	End	1488
Name	OJ990405_01.9A01.C27.o1.gs	Method	GENSCAN
Start	1200	End	1488
GI	none	Score	.61
Exons	1200..1269, 1346..1488		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47177	Strand	+
Start	3626	End	4002
Name	OJ990405_01.9A01.C27.o2.gp	Method	AAT/GAP
Start	3626	End	4002
GI	none	Score	681
Exons	3626..4002		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47178	Strand	-
Start	2414	End	2854
Name	OJ990405_01.9A01.C27.o2.gs	Method	GENSCAN
Start	2414	End	2854
GI	none	Score	.72
Exons	2414..2607, 2692..2854		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335
Name	OJ990405_01.9A01.C27.o1.np	Method	AAT/NAP
Start	2938	End	6166
GI	464900	Score	400
Exons	2938..3003, 3965..4542, 5848..6166		
GI Descrip.	PUTATIVE KINASE-LIKE PROTEIN TMKL1 PRECURSOR gi|539008|pir||S39476 kinase-like transmembrane protein TMKL1 precursor - Arabidopsis thaliana gi|313190|emb|CAA51385| (X72863) TMKL1 [Arabidopsis thaliana]		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335
Name	OJ990405_01.9A01.C27.o3.gs	Method	GENSCAN
Start	3956	End	6058
GI	none	Score	.71
Exons	3956..4536, 5848..6058		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335

Name	OJ990405_01.9A01.C27.o1.ts	Method	TBLASTX:Soybean
Start	4010	End	4535
GI	none	Score	182
Exons	4010..4048, 4079..4516, 4116..4535		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335
Name	OJ990405_01.9A01.C27.o1.tc	Method	TBLASTX:Cress
Start	4052	End	6163
GI	none	Score	66
Exons	4052..4498, 4365..4484, 5852..6037, 6047..6163		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335
Name	OJ990405_01.9A01.C27.o1.tm	Method	TBLASTX:Maize
Start	4052	End	4527
GI	none	Score	265
Exons	4052..4525, 4054..4524, 4055..4525, 4453..4527		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335
Name	OJ990405_01.9A01.C27.o1.tw	Method	TBLASTX:Wheat
Start	4214	End	4543
GI	none	Score	178
Exons	4214..4543		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335
Name	OJ990405_01.9A01.C27.o2.tm	Method	TBLASTX:Maize
Start	5842	End	6166
GI	none	Score	125
Exons	5842..5880, 5843..5944, 5849..6007, 5850..5975, 5981..6163, 6015..6155, 6020..6166		

Seq. No.	22681	Seq. ID	OJ990405_01.9A01.C27
Gene No.	47179	Strand	-
Start	2938	End	6335
Name	OJ990405_01.9A01.C27.o3.gp	Method	AAT/GAP
Start	6064	End	6335
GI	none	Score	495
Exons	6064..6335		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47180	Strand	+
Start	936	End	2455
Name	OJ990405_01.9A01.C28.o1.gs	Method	GENSCAN
Start	936	End	2455
GI	none	Score	.56
Exons	936..955, 1001..1135, 1842..2084, 2139..2310, 2438..2455		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47181	Strand	+
Start	13432	End	15487

Name	OJ990405_01.9A01.C28.o3.gs	Method	GENSCAN
Start	13432	End	15453
GI	none	Score	.59
Exons	13432..13520, 13618..13981, 15250..15453		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47181	Strand	+
Start	13432	End	15487
Name	OJ990405_01.9A01.C28.o2.np	Method	AAT/NAP
Start	13435	End	15487
GI	5541721	Score	484
Exons	13435..13520, 13618..13672, 13733..13981, 15250..15487		
GI Descrip.	(AL096856) cell division cycle protein 23 homolog [Arabidopsis thaliana]		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47182	Strand	-
Start	3369	End	12052
Name	OJ990405_01.9A01.C28.o2.gs	Method	GENSCAN
Start	3369	End	12013
GI	none	Score	.6
Exons	3369..4466, 6577..6708, 7478..7709, 8506..8601, 9075..9159, 9266..9292, 9381..9639, 10183..10275, 10445..10537, 10646..10813, 11023..11118, 11918..12013		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47182	Strand	-
Start	3369	End	12052
Name	OJ990405_01.9A01.C28.o4.tm	Method	TBLASTX:Maize
Start	6560	End	6711
GI	none	Score	175
Exons	6560..6709, 6571..6711		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47182	Strand	-
Start	3369	End	12052
Name	OJ990405_01.9A01.C28.o1.tm	Method	TBLASTX:Maize
Start	6816	End	8719
GI	none	Score	75
Exons	6816..6854, 6817..6858, 6817..6858, 7310..7459, 7317..7460, 7319..7486, 7428..7463, 7465..7518, 7466..7549, 7469..7513, 7470..7526, 7521..7712, 7522..7704, 7523..7711, 7524..7712, 7781..7882, 7782..7880, 8502..8669, 8506..8661, 8540..8719		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47182	Strand	-
Start	3369	End	12052
Name	OJ990405_01.9A01.C28.o1.np	Method	AAT/NAP
Start	7296	End	10552
GI	6572330	Score	270
Exons	7296..7598, 7725..7884, 8531..8655, 9075..9159, 9567..9639, 10183..10256, 10402..10552		
GI Descrip.	(AL096766) dA59H18.2 (novel protein similar to human, mouse, yeast, worm and plant (predicted) proteins) [Homo sapiens]		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47182	Strand	-

Start	3369	End	12052
Name	OJ990405_01.9A01.C28.o5.tm	Method	TBLASTX:Maize
Start	9463	End	10266
GI	none	Score	130
Exons	9463..9639, 9548..9640, 10181..10258, 10182..10259, 10183..10266, 10187..10258		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47182	Strand	-
Start	3369	End	12052
Name	OJ990405_01.9A01.C28.o2.tm	Method	TBLASTX:Maize
Start	10646	End	12052
GI	none	Score	157
Exons	10646..10819, 10647..10814, 10954..11049, 10957..11118, 10961..11119, 10961..11119, 10962..11120, 11921..12013, 11921..12052		

Seq. No.	22682	Seq. ID	OJ990405_01.9A01.C28
Gene No.	47183	Strand	
Start	13778	End	15350
Name	OJ990405_01.9A01.C28.o3.tm	Method	TBLASTX:Maize
Start	13778	End	15350
GI	none	Score	83
Exons	13778..13834, 13807..13833, 13831..13941, 13832..13960, 15294..15350		

Seq. No.	22683	Seq. ID	OJ990505_05.9A11.C2
Gene No.	47184	Strand	
Start	108	End	458
Name	OJ990505_05.9A11.C2.o1.tm	Method	TBLASTX:Maize
Start	108	End	413
GI	none	Score	243
Exons	108..413		

Seq. No.	22683	Seq. ID	OJ990505_05.9A11.C2
Gene No.	47184	Strand	
Start	108	End	458
Name	OJ990505_05.9A11.C2.o1.tw	Method	TBLASTX:Wheat
Start	108	End	458
GI	none	Score	318
Exons	108..458		

Seq. No.	22683	Seq. ID	OJ990505_05.9A11.C2
Gene No.	47185	Strand	
Start	627	End	941
Name	OJ990505_05.9A11.C2.o3.tw	Method	TBLASTX:Wheat
Start	627	End	941
GI	none	Score	59
Exons	627..671, 744..941, 791..931		

Seq. No.	22683	Seq. ID	OJ990505_05.9A11.C2
Gene No.	47186	Strand	
Start	969	End	1346
Name	OJ990505_05.9A11.C2.o2.tw	Method	TBLASTX:Wheat
Start	969	End	1325
GI	none	Score	128
Exons	969..1133, 995..1096, 1158..1325, 1196..1294		

Seq. No.	22683	Seq. ID	OJ990505_05.9A11.C2
Gene No.	47186	Strand	
Start	969	End	1346
Name	OJ990505_05.9A11.C2.o2.tm	Method	TBLASTX:Maize
Start	1149	End	1346
GI	none	Score	196
Exons	1149..1346, 1187..1294		

Seq. No.	22684	Seq. ID	OJ990505_05.9A11.C13
Gene No.	47187	Strand	
Start	3	End	198
Name	OJ990505_05.9A11.C13.o2.tm	Method	TBLASTX:Maize
Start	3	End	198
GI	none	Score	229
Exons	3..188, 4..198, 4..198		

Seq. No.	22684	Seq. ID	OJ990505_05.9A11.C13
Gene No.	47187	Strand	
Start	3	End	198
Name	OJ990505_05.9A11.C13.o2.tw	Method	TBLASTX:Wheat
Start	3	End	174
GI	none	Score	243
Exons	3..167, 4..174		

Seq. No.	22684	Seq. ID	OJ990505_05.9A11.C13
Gene No.	47188	Strand	
Start	225	End	732
Name	OJ990505_05.9A11.C13.o1.tm	Method	TBLASTX:Maize
Start	225	End	609
GI	none	Score	361
Exons	225..590, 226..609		

Seq. No.	22684	Seq. ID	OJ990505_05.9A11.C13
Gene No.	47188	Strand	
Start	225	End	732
Name	OJ990505_05.9A11.C13.o1.tw	Method	TBLASTX:Wheat
Start	282	End	707
GI	none	Score	493
Exons	282..707, 283..702		

Seq. No.	22684	Seq. ID	OJ990505_05.9A11.C13
Gene No.	47188	Strand	
Start	225	End	732
Name	OJ990505_05.9A11.C13.o1.ts	Method	TBLASTX:Soybean
Start	361	End	732
GI	none	Score	279
Exons	361..732, 378..521		

Seq. No.	22685	Seq. ID	OJ990505_05.9A11.C14
Gene No.	47189	Strand	
Start	135	End	743
Name	OJ990505_05.9A11.C14.o1.tw	Method	TBLASTX:Wheat
Start	135	End	743
GI	none	Score	277
Exons	135..431, 167..424, 181..432, 281..451, 513..587, 617..739, 618..743		

Seq. No.	22686	Seq. ID	OJ990505_05.9A11.C15
Gene No.	47190	Strand	-
Start	2136	End	2273
Name	OJ990505_05.9A11.C15.o1.gp	Method	AAT/GAP
Start	2136	End	2273
GI	LIB3474-009-P1-K1-F11	Score	232
Exons	2136..2273		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47191	Strand	
Start	484	End	886
Name	OJ990505_05.9A11.C16.o7.tw	Method	TBLASTX:Wheat
Start	484	End	886
GI	none	Score	284
Exons	484..753, 485..886		

Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47192	Strand	
Start	1464	End	2261
Name	OJ990505_05.9A11.C16.o1.tw	Method	TBLASTX:Wheat
Start	1464	End	2261
GI	none	Score	145
Exons	1464..1640, 1685..1921, 1689..1919, 1968..2261, 2096..2257		

Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47193	Strand	
Start	2181	End	3386
Name	OJ990505_05.9A11.C16.o3.ts	Method	TBLASTX:Soybean
Start	2181	End	2546
GI	none	Score	119
Exons	2181..2405, 2412..2546		

Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47193	Strand	
Start	2181	End	3386
Name	OJ990505_05.9A11.C16.o8.tw	Method	TBLASTX:Wheat
Start	2262	End	2495
GI	none	Score	261
Exons	2262..2495, 2282..2491, 2283..2495		

Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47193	Strand	
Start	2181	End	3386
Name	OJ990505_05.9A11.C16.o2.tm	Method	TBLASTX:Maize
Start	2271	End	2627
GI	none	Score	355
Exons	2271..2627, 2312..2617		

Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47193	Strand	
Start	2181	End	3386
Name	OJ990505_05.9A11.C16.o2.tw	Method	TBLASTX:Wheat
Start	2496	End	2915
GI	none	Score	471

Exons	2496..2915, 2496..2720, 2498..2914		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47193	Strand	
Start	2181	End	3386
Name	OJ990505_05.9A11.C16.o1.ts	Method	TBLASTX:Soybean
Start	2790	End	3188
GI	none	Score	217
Exons	2790..3032, 2807..2950, 3021..3188		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47193	Strand	
Start	2181	End	3386
Name	OJ990505_05.9A11.C16.o3.tm	Method	TBLASTX:Maize
Start	2858	End	3299
GI	none	Score	193
Exons	2858..3031, 2859..3038, 3030..3110, 3131..3262, 3132..3275, 3273..3299		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47193	Strand	
Start	2181	End	3386
Name	OJ990505_05.9A11.C16.o5.tw	Method	TBLASTX:Wheat
Start	2960	End	3386
GI	none	Score	76
Exons	2960..3037, 2961..3038, 3030..3386, 3101..3385		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47194	Strand	
Start	3414	End	3920
Name	OJ990505_05.9A11.C16.o2.ts	Method	TBLASTX:Soybean
Start	3414	End	3793
GI	none	Score	62
Exons	3414..3488, 3485..3793, 3549..3791		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47194	Strand	
Start	3414	End	3920
Name	OJ990505_05.9A11.C16.o6.tw	Method	TBLASTX:Wheat
Start	3423	End	3838
GI	none	Score	74
Exons	3423..3488, 3425..3838, 3489..3827		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47194	Strand	
Start	3414	End	3920
Name	OJ990505_05.9A11.C16.o5.tm	Method	TBLASTX:Maize
Start	3666	End	3920
GI	none	Score	190
Exons	3666..3920		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47195	Strand	
Start	4148	End	4541
Name	OJ990505_05.9A11.C16.o1.tm	Method	TBLASTX:Maize
Start	4148	End	4511
GI	none	Score	412

Exons	4148..4456, 4149..4472, 4169..4492, 4464..4511		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47195	Strand	
Start	4148	End	4541
Name	OJ990505_05.9A11.C16.o3.tw	Method	TBLASTX:Wheat
Start	4154	End	4541
GI	none	Score	392
Exons	4154..4465, 4155..4541, 4350..4541		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47196	Strand	
Start	4613	End	5270
Name	OJ990505_05.9A11.C16.o6.tm	Method	TBLASTX:Maize
Start	4613	End	4886
GI	none	Score	95
Exons	4613..4720, 4614..4712, 4703..4777, 4707..4790, 4800..4886		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47196	Strand	
Start	4613	End	5270
Name	OJ990505_05.9A11.C16.o4.tw	Method	TBLASTX:Wheat
Start	4656	End	5270
GI	none	Score	267
Exons	4656..4934, 4676..4762, 4811..4918, 4989..5114, 5133..5270		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47196	Strand	
Start	4613	End	5270
Name	OJ990505_05.9A11.C16.o4.tm	Method	TBLASTX:Maize
Start	4998	End	5233
GI	none	Score	150
Exons	4998..5150, 5099..5149, 5129..5233, 5133..5231		
Seq. No.	22687	Seq. ID	OJ990505_05.9A11.C16
Gene No.	47197	Strand	
Start	8122	End	8412
Name	OJ990505_05.9A11.C16.o9.tw	Method	TBLASTX:Wheat
Start	8122	End	8412
GI	none	Score	57
Exons	8122..8412, 8159..8230		
Seq. No.	22688	Seq. ID	OJ990505_05.9A11.C17
Gene No.	47198	Strand	
Start	480	End	947
Name	OJ990505_05.9A11.C17.o1.tm	Method	TBLASTX:Maize
Start	480	End	947
GI	none	Score	35
Exons	480..497, 531..626, 541..621, 572..631, 626..892, 627..887, 885..947		
Seq. No.	22689	Seq. ID	OJ990505_05.9A11.C23
Gene No.	47199	Strand	
Start	232	End	459
Name	OJ990505_05.9A11.C23.o1.tm	Method	TBLASTX:Maize
Start	232	End	459
GI	none	Score	154

Exons	232..459, 233..454, 316..456		
Seq. No.	22690	Seq. ID	OJ990505_05.9A11.C27
Gene No.	47200	Strand	+
Start	1	End	1092
Name	OJ990505_05.9A11.C27.o1.gp	Method	AAT/GAP
Start	1	End	1091
GI	342_1.R1084	Score	1787
Exons	1..1091		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	22690	Seq. ID	OJ990505_05.9A11.C27
Gene No.	47200	Strand	+
Start	1	End	1092
Name	OJ990505_05.9A11.C27.o2.tw	Method	TBLASTX:Wheat
Start	82	End	478
GI	none	Score	92
Exons	82..234, 119..220, 217..468, 225..467, 228..470, 236..478		
Seq. No.	22690	Seq. ID	OJ990505_05.9A11.C27
Gene No.	47200	Strand	+
Start	1	End	1092
Name	OJ990505_05.9A11.C27.o1.ts	Method	TBLASTX:Soybean
Start	250	End	540
GI	none	Score	225
Exons	250..468, 258..464, 475..540		
Seq. No.	22690	Seq. ID	OJ990505_05.9A11.C27
Gene No.	47200	Strand	+
Start	1	End	1092
Name	OJ990505_05.9A11.C27.o2.ts	Method	TBLASTX:Soybean
Start	559	End	833
GI	none	Score	155
Exons	559..771, 564..767, 568..804, 777..833		
Seq. No.	22690	Seq. ID	OJ990505_05.9A11.C27
Gene No.	47200	Strand	+
Start	1	End	1092
Name	OJ990505_05.9A11.C27.o1.tc	Method	TBLASTX:Cress
Start	561	End	914
GI	none	Score	161
Exons	561..725, 568..789, 777..914, 782..895		
Seq. No.	22690	Seq. ID	OJ990505_05.9A11.C27
Gene No.	47200	Strand	+
Start	1	End	1092
Name	OJ990505_05.9A11.C27.o1.tw	Method	TBLASTX:Wheat
Start	697	End	1092
GI	none	Score	68
Exons	697..753, 705..749, 739..846, 751..789, 777..860, 785..856, 864..962, 869..961, 872..964, 942..1088, 964..1092, 965..1087		
Seq. No.	22690	Seq. ID	OJ990505_05.9A11.C27
Gene No.	47200	Strand	+
Start	1	End	1092
Name	OJ990505_05.9A11.C27.o1.tm	Method	TBLASTX:Maize

Start	771	End	1088
GI	none	Score	230
Exons	771..1001, 812..1000, 1011..1088		

Seq. No.	22691	Seq. ID	OJ990505_05.9A11.C28
Gene No.	47201	Strand	+
Start	5860	End	6353
Name	OJ990505_05.9A11.C28.o1.tw	Method	TBLASTX:Wheat
Start	1829	End	2230
GI	none	Score	216
Exons	1829..2065, 1829..2023, 1930..2073, 2060..2230, 2113..2229		

Seq. No.	22691	Seq. ID	OJ990505_05.9A11.C28
Gene No.	47201	Strand	+
Start	5860	End	6353
Name	OJ990505_05.9A11.C28.o3.tw	Method	TBLASTX:Wheat
Start	2231	End	2924
GI	none	Score	60
Exons	2231..2311, 2333..2494, 2552..2623, 2706..2924		

Seq. No.	22691	Seq. ID	OJ990505_05.9A11.C28
Gene No.	47201	Strand	+
Start	5860	End	6353
Name	OJ990505_05.9A11.C28.o2.tw	Method	TBLASTX:Wheat
Start	3803	End	4162
GI	none	Score	142
Exons	3803..4003, 3815..4000, 4081..4155, 4082..4162		

Seq. No.	22691	Seq. ID	OJ990505_05.9A11.C28
Gene No.	47201	Strand	+
Start	5860	End	6353
Name	OJ990505_05.9A11.C28.o1.gp	Method	AAT/GAP
Start	5860	End	6353
GI	576771	Score	824
Exons	5860..6116, 6143..6353		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	22692	Seq. ID	OJ990505_05.9A11.C32
Gene No.	47202	Strand	
Start	4064	End	5967
Name	OJ990505_05.9A11.C32.o1.tm	Method	TBLASTX:Maize
Start	4064	End	5967
GI	none	Score	69
Exons	4064..4150, 4067..4150, 4169..4240, 4180..4236, 4741..4908, 4744..4944, 4749..4946, 5917..5967		

Seq. No.	22693	Seq. ID	OJ990505_05.9A11.C33
Gene No.	47203	Strand	
Start	1590	End	2042
Name	OJ990505_05.9A11.C33.o1.tm	Method	TBLASTX:Maize
Start	1590	End	2042
GI	none	Score	198
Exons	1590..1763, 1592..1762, 1722..1763, 1910..2041, 1911..2039, 1911..2042, 1912..2040		

Seq. No.	22694	Seq. ID	OJ990505_05.9A11.C34

Gene No.	47204	Strand	+
Start	1226	End	1419
Name	OJ990505_05.9A11.C34.o1.gp	Method	AAT/GAP
Start	1226	End	1419
GI	LIB3433-046-P1-K1-D5	Score	255
Exons	1226..1419		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	22695	Seq. ID	OJ990505_05.9A11.C37
Gene No.	47205	Strand	
Start	1884	End	2174
Name	OJ990505_05.9A11.C37.o1.tw	Method	TBLASTX:Wheat
Start	1884	End	2174
GI	none	Score	208
Exons	1884..2174		

Seq. No.	22696	Seq. ID	OJ990505_05.9A11.C38
Gene No.	47206	Strand	
Start	111	End	1025
Name	OJ990505_05.9A11.C38.o1.tm	Method	TBLASTX:Maize
Start	111	End	1025
GI	none	Score	98
Exons	111..230, 126..227, 143..235, 765..902, 767..1024, 987..1025		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47207	Strand	
Start	1	End	341
Name	OJ990505_05.9A11.C40.o2.ts	Method	TBLASTX:Soybean
Start	1	End	260
GI	none	Score	134
Exons	1..102, 3..101, 102..260		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47207	Strand	
Start	1	End	341
Name	OJ990505_05.9A11.C40.o4.tm	Method	TBLASTX:Maize
Start	1	End	341
GI	none	Score	86
Exons	1..102, 102..341		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47207	Strand	
Start	1	End	341
Name	OJ990505_05.9A11.C40.o4.tw	Method	TBLASTX:Wheat
Start	3	End	272
GI	none	Score	143
Exons	3..110, 4..102, 102..272, 108..266		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47208	Strand	
Start	276	End	701
Name	OJ990505_05.9A11.C40.o3.tw	Method	TBLASTX:Wheat
Start	276	End	701
GI	none	Score	594
Exons	276..701, 278..340, 352..534, 365..694		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47208	Strand	
Start	276	End	701
Name	OJ990505_05.9A11.C40.o3.ts	Method	TBLASTX:Soybean
Start	282	End	530
GI	none	Score	201
Exons	282..530		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47208	Strand	
Start	276	End	701
Name	OJ990505_05.9A11.C40.o2.tm	Method	TBLASTX:Maize
Start	348	End	701
GI	none	Score	459
Exons	348..701, 368..694		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47209	Strand	
Start	776	End	2236
Name	OJ990505_05.9A11.C40.o2.tw	Method	TBLASTX:Wheat
Start	776	End	1270
GI	none	Score	602
Exons	776..1270, 916..1266		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47209	Strand	
Start	776	End	2236
Name	OJ990505_05.9A11.C40.o1.tc	Method	TBLASTX:Cress
Start	968	End	1294
GI	none	Score	90
Exons	968..1150, 1151..1294, 1153..1293		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47209	Strand	
Start	776	End	2236
Name	OJ990505_05.9A11.C40.o1.ts	Method	TBLASTX:Soybean
Start	1058	End	1318
GI	none	Score	301
Exons	1058..1318, 1069..1317		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47209	Strand	
Start	776	End	2236
Name	OJ990505_05.9A11.C40.o3.tm	Method	TBLASTX:Maize
Start	1116	End	1408
GI	none	Score	90
Exons	1116..1217, 1117..1404, 1118..1408, 1250..1405		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47209	Strand	
Start	776	End	2236
Name	OJ990505_05.9A11.C40.o1.tw	Method	TBLASTX:Wheat
Start	1277	End	1903
GI	none	Score	718
Exons	1277..1903, 1279..1785, 1280..1894, 1843..1902		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40

Gene No.	47209	Strand	
Start	776	End	2236
Name	OJ990505_05.9A11.C40.o1.tm	Method	TBLASTX:Maize
Start	1456	End	2041
GI	none	Score	224
Exons	1456..1611, 1457..1618, 1615..1788, 1616..2041, 1843..2040		

Seq. No.	22697	Seq. ID	OJ990505_05.9A11.C40
Gene No.	47209	Strand	
Start	776	End	2236
Name	OJ990505_05.9A11.C40.o5.tw	Method	TBLASTX:Wheat
Start	1903	End	2236
GI	none	Score	313
Exons	1903..2184, 1904..2236, 2054..2185		

Seq. No.	22698	Seq. ID	OJ990505_05.9A11.C46
Gene No.	47210	Strand	
Start	1	End	381
Name	OJ990505_05.9A11.C46.o1.tm	Method	TBLASTX:Maize
Start	1	End	351
GI	none	Score	399
Exons	1..312, 9..332, 9..296, 303..350, 304..351		

Seq. No.	22698	Seq. ID	OJ990505_05.9A11.C46
Gene No.	47210	Strand	
Start	1	End	381
Name	OJ990505_05.9A11.C46.o1.tw	Method	TBLASTX:Wheat
Start	1	End	381
GI	none	Score	383
Exons	1..381, 1..126, 3..305, 190..381		

Seq. No.	22698	Seq. ID	OJ990505_05.9A11.C46
Gene No.	47211	Strand	
Start	412	End	660
Name	OJ990505_05.9A11.C46.o2.tw	Method	TBLASTX:Wheat
Start	412	End	660
GI	none	Score	208
Exons	412..660, 444..653		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47212	Strand	
Start	173	End	495
Name	OJ990505_05.9A11.C49.o3.tw	Method	TBLASTX:Wheat
Start	173	End	452
GI	none	Score	70
Exons	173..349, 189..290, 333..452		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47212	Strand	
Start	173	End	495
Name	OJ990505_05.9A11.C49.o3.tm	Method	TBLASTX:Maize
Start	221	End	495
GI	none	Score	61
Exons	221..307, 324..401, 331..405, 396..494, 397..495		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47213	Strand	

Start	566	End	959
Name	OJ990505_05.9A11.C49.o1.tw	Method	TBLASTX:Wheat
Start	566	End	954
GI	none	Score	108
Exons	566..703, 567..752, 567..953, 643..954		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47213	Strand	
Start	566	End	959
Name	OJ990505_05.9A11.C49.o1.tm	Method	TBLASTX:Maize
Start	597	End	959
GI	none	Score	67
Exons	597..644, 598..645, 625..939, 636..959, 649..939		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47214	Strand	
Start	957	End	1256
Name	OJ990505_05.9A11.C49.o4.tw	Method	TBLASTX:Wheat
Start	957	End	1256
GI	none	Score	47
Exons	957..1097, 1122..1256, 1123..1224		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47215	Strand	
Start	1272	End	1703
Name	OJ990505_05.9A11.C49.o2.tw	Method	TBLASTX:Wheat
Start	1272	End	1694
GI	none	Score	268
Exons	1272..1694, 1282..1686		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47215	Strand	
Start	1272	End	1703
Name	OJ990505_05.9A11.C49.o1.ts	Method	TBLASTX:Soybean
Start	1315	End	1703
GI	none	Score	163
Exons	1315..1695, 1317..1559, 1599..1703		

Seq. No.	22699	Seq. ID	OJ990505_05.9A11.C49
Gene No.	47215	Strand	
Start	1272	End	1703
Name	OJ990505_05.9A11.C49.o2.tm	Method	TBLASTX:Maize
Start	1368	End	1641
GI	none	Score	60
Exons	1368..1466, 1369..1434, 1470..1640, 1471..1641		

Seq. No.	22700	Seq. ID	OJ990505_05.9A11.C50
Gene No.	47216	Strand	
Start	2200	End	2379
Name	OJ990505_05.9A11.C50.o1.tc	Method	TBLASTX:Cress
Start	2200	End	2379
GI	none	Score	232
Exons	2200..2364, 2201..2365, 2227..2379		

Seq. No.	22700	Seq. ID	OJ990505_05.9A11.C50
Gene No.	47216	Strand	
Start	2200	End	2379

Name	OJ990505_05.9A11.C50.o1.ts	Method	TBLASTX:Soybean
Start	2200	End	2365
GI	none	Score	231
Exons	2200..2364, 2201..2365		

Seq. No.	22700	Seq. ID	OJ990505_05.9A11.C50
Gene No.	47216	Strand	
Start	2200	End	2379
Name	OJ990505_05.9A11.C50.o1.tm	Method	TBLASTX:Maize
Start	2200	End	2366
GI	none	Score	250
Exons	2200..2364, 2201..2365, 2265..2366		

Seq. No.	22701	Seq. ID	OJ990505_05.9A11.C51
Gene No.	47217	Strand	+
Start	2638	End	3037
Name	OJ990505_05.9A11.C51.o1.gp	Method	AAT/GAP
Start	2638	End	3037
GI	29822_1.R1084	Score	750
Exons	2638..3037		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	22702	Seq. ID	OJ990505_05.9A11.C52
Gene No.	47218	Strand	+
Start	2824	End	4437
Name	OJ990505_05.9A11.C52.o1.tc	Method	TBLASTX:Cress
Start	1749	End	2217
GI	none	Score	236
Exons	1749..1973, 1775..1921, 1785..1976, 2064..2153, 2069..2155, 2160..2216, 2170..2217		

Seq. No.	22702	Seq. ID	OJ990505_05.9A11.C52
Gene No.	47218	Strand	+
Start	2824	End	4437
Name	OJ990505_05.9A11.C52.o1.tm	Method	TBLASTX:Maize
Start	1776	End	2223
GI	none	Score	212
Exons	1776..1922, 1784..1918, 1786..1941, 1899..1973, 2064..2177, 2068..2223, 2069..2221		

Seq. No.	22702	Seq. ID	OJ990505_05.9A11.C52
Gene No.	47218	Strand	+
Start	2824	End	4437
Name	OJ990505_05.9A11.C52.o1.tw	Method	TBLASTX:Wheat
Start	1779	End	2217
GI	none	Score	196
Exons	1779..1973, 1784..1999, 2064..2177, 2067..2138, 2185..2217		

Seq. No.	22702	Seq. ID	OJ990505_05.9A11.C52
Gene No.	47218	Strand	+
Start	2824	End	4437
Name	OJ990505_05.9A11.C52.o1.ts	Method	TBLASTX:Soybean
Start	1784	End	2223
GI	none	Score	244
Exons	1784..1933, 1785..1973, 1785..1973, 1804..1995, 1805..1996, 2048..2182, 2064..2177, 2067..2219, 2069..2203, 2170..2223,		

2206..2223

Seq. No.	22702	Seq. ID	OJ990505_05.9A11.C52
Gene No.	47218	Strand	+
Start	2824	End	4437
Name	OJ990505_05.9A11.C52.o1.gp	Method	AAT/GAP
Start	2824	End	4437
GI	24105_1.R1084	Score	1168
Exons	2824..3017, 3952..4437		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	22703	Seq. ID	OJ990505_05.9A11.C56
Gene No.	47219	Strand	-
Start	62	End	274
Name	OJ990505_05.9A11.C56.o1.gp	Method	AAT/GAP
Start	62	End	274
GI	24105_1.R1084	Score	377
Exons	62..274		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	22704	Seq. ID	OJ990505_05.9A11.C59
Gene No.	47220	Strand	
Start	51	End	470
Name	OJ990505_05.9A11.C59.o1.tw	Method	TBLASTX:Wheat
Start	51	End	453
GI	none	Score	117
Exons	51..452, 184..453		

Seq. No.	22704	Seq. ID	OJ990505_05.9A11.C59
Gene No.	47220	Strand	
Start	51	End	470
Name	OJ990505_05.9A11.C59.o1.tm	Method	TBLASTX:Maize
Start	216	End	470
GI	none	Score	177
Exons	216..470		

Seq. No.	22705	Seq. ID	OJ990505_05.9A11.C60
Gene No.	47221	Strand	+
Start	309	End	626
Name	OJ990505_05.9A11.C60.o1.gp	Method	AAT/GAP
Start	309	End	623
GI	29822_1.R1084	Score	601
Exons	309..623		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	22705	Seq. ID	OJ990505_05.9A11.C60
Gene No.	47221	Strand	+
Start	309	End	626
Name	OJ990505_05.9A11.C60.o1.tc	Method	TBLASTX:Cress
Start	461	End	626
GI	none	Score	242
Exons	461..625, 462..626		

Seq. No.	22705	Seq. ID	OJ990505_05.9A11.C60

Gene No.	47221	Strand	+
Start	309	End	626
Name	OJ990505_05.9A11.C60.o1.tm	Method	TBLASTX:Maize
Start	461	End	626
GI	none	Score	260
Exons	461..625, 462..626		

Seq. No.	22705	Seq. ID	OJ990505_05.9A11.C60
Gene No.	47221	Strand	+
Start	309	End	626
Name	OJ990505_05.9A11.C60.o1.ts	Method	TBLASTX:Soybean
Start	461	End	626
GI	none	Score	241
Exons	461..625, 462..626		

Seq. No.	22706	Seq. ID	OJ990505_05.9A11.C62
Gene No.	47222	Strand	-
Start	8748	End	9212
Name	OJ990505_05.9A11.C62.o1.tm	Method	TBLASTX:Maize
Start	905	End	1631
GI	none	Score	41
Exons	905..991, 921..992, 1108..1269, 1108..1272, 1112..1276, 1353..1412, 1434..1517, 1527..1631		

Seq. No.	22706	Seq. ID	OJ990505_05.9A11.C62
Gene No.	47222	Strand	-
Start	8748	End	9212
Name	OJ990505_05.9A11.C62.o1.tw	Method	TBLASTX:Wheat
Start	905	End	1412
GI	none	Score	82
Exons	905..991, 1108..1272, 1112..1276, 1353..1412		

Seq. No.	22706	Seq. ID	OJ990505_05.9A11.C62
Gene No.	47222	Strand	-
Start	8748	End	9212
Name	OJ990505_05.9A11.C62.o1.ts	Method	TBLASTX:Soybean
Start	905	End	1826
GI	none	Score	103
Exons	905..991, 1108..1275, 1133..1282, 1353..1409, 1434..1517, 1527..1631, 1704..1826		

Seq. No.	22706	Seq. ID	OJ990505_05.9A11.C62
Gene No.	47222	Strand	-
Start	8748	End	9212
Name	OJ990505_05.9A11.C62.o1.tc	Method	TBLASTX:Cress
Start	1168	End	1574
GI	none	Score	77
Exons	1168..1272, 1169..1276, 1353..1412, 1434..1517, 1527..1574		

Seq. No.	22706	Seq. ID	OJ990505_05.9A11.C62
Gene No.	47222	Strand	-
Start	8748	End	9212
Name	OJ990505_05.9A11.C62.o1.gp	Method	AAT/GAP
Start	8748	End	9212
GI	2443172	Score	910
Exons	8748..9212		

Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47223	Strand	-
Start	2933	End	3465
Name	OJ990505_05.9A11.C63.o1.tm	Method	TBLASTX:Maize
Start	316	End	793
GI	none	Score	104
Exons	316..399, 317..397, 527..772, 528..776, 529..780, 538..780, 539..793		

Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47223	Strand	-
Start	2933	End	3465
Name	OJ990505_05.9A11.C63.o2.ts	Method	TBLASTX:Soybean
Start	1022	End	1327
GI	none	Score	147
Exons	1022..1141, 1023..1154, 1026..1154, 1034..1159, 1247..1327, 1258..1326, 1259..1327		

Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47223	Strand	-
Start	2933	End	3465
Name	OJ990505_05.9A11.C63.o1.tc	Method	TBLASTX:Cress
Start	1264	End	2248
GI	none	Score	125
Exons	1264..1341, 1265..1432, 1693..1845, 1960..2052, 1961..2248, 2083..2223		

Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47223	Strand	-
Start	2933	End	3465
Name	OJ990505_05.9A11.C63.o2.tm	Method	TBLASTX:Maize
Start	1271	End	2248
GI	none	Score	72
Exons	1271..1357, 1741..1842, 1948..2220, 1949..2248		

Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47223	Strand	-
Start	2933	End	3465
Name	OJ990505_05.9A11.C63.o1.ts	Method	TBLASTX:Soybean
Start	1690	End	2248
GI	none	Score	109
Exons	1690..1842, 1949..2248, 1960..2247		

Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47223	Strand	-
Start	2933	End	3465
Name	OJ990505_05.9A11.C63.o1.tw	Method	TBLASTX:Wheat
Start	1693	End	2131
GI	none	Score	105
Exons	1693..1842, 1762..1839, 1949..2131, 1957..2130		

Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47223	Strand	-
Start	2933	End	3465
Name	OJ990505_05.9A11.C63.o1.gp	Method	AAT/GAP
Start	2933	End	3465
GI	5039089	Score	1018

Exons	2933..3465		
Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47224	Strand	
Start	3380	End	3556
Name	OJ990505_05.9A11.C63.o3.tm	Method	TBLASTX:Maize
Start	3380	End	3553
GI	none	Score	138
Exons	3380..3454, 3382..3456, 3391..3456, 3442..3552, 3443..3553		
Seq. No.	22707	Seq. ID	OJ990505_05.9A11.C63
Gene No.	47224	Strand	
Start	3380	End	3556
Name	OJ990505_05.9A11.C63.o3.ts	Method	TBLASTX:Soybean
Start	3388	End	3556
GI	none	Score	174
Exons	3388..3555, 3392..3556, 3410..3556		
Seq. No.	22708	Seq. ID	OJ990505_05.9A11.C66
Gene No.	47225	Strand	
Start	14	End	421
Name	OJ990505_05.9A11.C66.o1.tw	Method	TBLASTX:Wheat
Start	14	End	421
GI	none	Score	220
Exons	14..238, 14..238, 79..252, 299..421, 346..399		
Seq. No.	22709	Seq. ID	OJ990505_05.9A11.C67
Gene No.	47226	Strand	+
Start	58	End	175
Name	OJ990505_05.9A11.C67.o1.gp	Method	AAT/GAP
Start	58	End	175
GI	uC-osflcyp177g01a1	Score	168
Exons	58..175		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		
Seq. No.	22709	Seq. ID	OJ990505_05.9A11.C67
Gene No.	47227	Strand	
Start	1502	End	1904
Name	OJ990505_05.9A11.C67.o3.tw	Method	TBLASTX:Wheat
Start	1502	End	1904
GI	none	Score	294
Exons	1502..1771, 1503..1904		
Seq. No.	22709	Seq. ID	OJ990505_05.9A11.C67
Gene No.	47228	Strand	
Start	2478	End	3275
Name	OJ990505_05.9A11.C67.o1.tw	Method	TBLASTX:Wheat
Start	2478	End	3275
GI	none	Score	149
Exons	2478..2654, 2541..2654, 2699..2935, 2703..2933, 2982..3275, 3110..3271		
Seq. No.	22709	Seq. ID	OJ990505_05.9A11.C67
Gene No.	47228	Strand	
Start	2478	End	3275
Name	OJ990505_05.9A11.C67.o2.tm	Method	TBLASTX:Maize

Start	2786	End	2933
GI	none	Score	183
Exons	2786..2932, 2787..2933		

Seq. No.	22709	Seq. ID	OJ990505_05.9A11.C67
Gene No.	47229	Strand	
Start	3195	End	3641
Name	OJ990505_05.9A11.C67.o1.ts	Method	TBLASTX:Soybean
Start	3195	End	3560
GI	none	Score	138
Exons	3195..3419, 3426..3560		

Seq. No.	22709	Seq. ID	OJ990505_05.9A11.C67
Gene No.	47229	Strand	
Start	3195	End	3641
Name	OJ990505_05.9A11.C67.o2.tw	Method	TBLASTX:Wheat
Start	3276	End	3611
GI	none	Score	390
Exons	3276..3611, 3296..3610		

Seq. No.	22709	Seq. ID	OJ990505_05.9A11.C67
Gene No.	47229	Strand	
Start	3195	End	3641
Name	OJ990505_05.9A11.C67.o1.tm	Method	TBLASTX:Maize
Start	3285	End	3641
GI	none	Score	375
Exons	3285..3641, 3326..3631, 3348..3641		

Seq. No.	22710	Seq. ID	OJ990505_05.9A11.C68
Gene No.	47230	Strand	
Start	180	End	837
Name	OJ990505_05.9A11.C68.o2.tm	Method	TBLASTX:Maize
Start	180	End	453
GI	none	Score	95
Exons	180..278, 181..279, 270..356, 274..357, 367..453		

Seq. No.	22710	Seq. ID	OJ990505_05.9A11.C68
Gene No.	47230	Strand	
Start	180	End	837
Name	OJ990505_05.9A11.C68.o1.tw	Method	TBLASTX:Wheat
Start	223	End	837
GI	none	Score	271
Exons	223..501, 384..485, 556..714, 700..837, 711..833		

Seq. No.	22710	Seq. ID	OJ990505_05.9A11.C68
Gene No.	47230	Strand	
Start	180	End	837
Name	OJ990505_05.9A11.C68.o1.tm	Method	TBLASTX:Maize
Start	565	End	798
GI	none	Score	144
Exons	565..717, 666..716, 696..797, 697..798		

Seq. No.	22711	Seq. ID	OJ990505_05.9A11.C70
Gene No.	47231	Strand	-
Start	2061	End	2125
Name	OJ990505_05.9A11.C70.o1.gp	Method	AAT/GAP
Start	2061	End	2125

GI	3760640	Score	86
Exons	2061..2125		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	22712	Seq. ID	OJ990505_05.9A11.C73
Gene No.	47232	Strand	+
Start	39	End	186
Name	OJ990505_05.9A11.C73.o1.gp	Method	AAT/GAP
Start	39	End	186
GI	uC-osflcyp177g01a1	Score	238
Exons	39..186		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	22713	Seq. ID	OJ990505_05.9A11.C74
Gene No.	47233	Strand	
Start	95	End	241
Name	OJ990505_05.9A11.C74.o1.tc	Method	TBLASTX:Cress
Start	95	End	241
GI	none	Score	191
Exons	95..241, 95..214, 97..240		

Seq. No.	22714	Seq. ID	OJ990505_05.9A11.C75
Gene No.	47234	Strand	
Start	251	End	548
Name	OJ990505_05.9A11.C75.o1.tm	Method	TBLASTX:Maize
Start	251	End	548
GI	none	Score	229
Exons	251..436, 251..421, 286..435, 468..548, 473..529		

Seq. No.	22715	Seq. ID	OJ990525_07.9A15.C2
Gene No.	47235	Strand	-
Start	1	End	876
Name	OJ990525_07.9A15.C2.o1.gp	Method	AAT/GAP
Start	1	End	301
GI	92272_1.R1084	Score	573
Exons	1..301		
GI Descrip.	'5091516/dbj|BAA78751.1| 2.0e-59 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	22715	Seq. ID	OJ990525_07.9A15.C2
Gene No.	47235	Strand	-
Start	1	End	876
Name	OJ990525_07.9A15.C2.o1.np	Method	AAT/NAP
Start	1	End	834
GI	5091516	Score	1079
Exons	1..622, 799..834		
GI Descrip.	(AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part...		

Seq. No.	22715	Seq. ID	OJ990525_07.9A15.C2

Gene No.	47235	Strand	-
Start	1	End	876
Name	OJ990525_07.9A15.C2.o1.gs	Method	GENSCAN
Start	25	End	622
GI	none	Score	.74
Exons	25..622		

Seq. No.	22715	Seq. ID	OJ990525_07.9A15.C2
Gene No.	47235	Strand	-
Start	1	End	876
Name	OJ990525_07.9A15.C2.o1.ts	Method	TBLASTX:Soybean
Start	29	End	346
GI	none	Score	228
Exons	29..346		

Seq. No.	22715	Seq. ID	OJ990525_07.9A15.C2
Gene No.	47235	Strand	-
Start	1	End	876
Name	OJ990525_07.9A15.C2.o1.tm	Method	TBLASTX:Maize
Start	66	End	623
GI	none	Score	110
Exons	66..185, 67..186, 70..621, 71..289, 71..622, 262..582, 312..623		

Seq. No.	22715	Seq. ID	OJ990525_07.9A15.C2
Gene No.	47235	Strand	-
Start	1	End	876
Name	OJ990525_07.9A15.C2.o1.tc	Method	TBLASTX:Cress
Start	287	End	586
GI	none	Score	73
Exons	287..445, 321..443, 452..586, 479..520		

Seq. No.	22715	Seq. ID	OJ990525_07.9A15.C2
Gene No.	47235	Strand	-
Start	1	End	876
Name	OJ990525_07.9A15.C2.o2.gp	Method	AAT/GAP
Start	327	End	876
GI	LIB3477-004-P1-K1-D10	Score	702
Exons	327..622, 799..876		
GI Descrip.	'5091516/dbj|BAA78751.1| 4.0e-58 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	22716	Seq. ID	OJ990525_07.9A15.C3
Gene No.	47236	Strand	+
Start	1	End	112
Name	OJ990525_07.9A15.C3.o1.np	Method	AAT/NAP
Start	1	End	112
GI	5091515	Score	183
Exons	1..112		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22716	Seq. ID	OJ990525_07.9A15.C3
Gene No.	47237	Strand	+
Start	263	End	426
Name	OJ990525_07.9A15.C3.o1.gs	Method	GENSCAN

Start	263	End	426
GI	none	Score	.61
Exons	263..426		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o1.np	Method	AAT/NAP
Start	1	End	1739
GI	5091509	Score	2439
Exons	1..934, 1019..1125, 1241..1495, 1594..1739		
GI Descrip.	(AB023482) EST AU065533(C2174) corresponds to a region of the predicted gene.; Similar to Homo sapiens splicing factor Prp8 mRNA, complete cds.(AF092565) [Oryza sativa]		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o2.tm	Method	TBLASTX:Maize
Start	1	End	345
GI	none	Score	598
Exons	1..345, 3..344		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o1.gs	Method	GENSCAN
Start	113	End	1732
GI	none	Score	.65
Exons	113..934, 1019..1125, 1241..1495, 1594..1732		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o1.tc	Method	TBLASTX:Cress
Start	117	End	597
GI	none	Score	369
Exons	117..596, 118..597, 118..594, 120..596		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o1.ts	Method	TBLASTX:Soybean
Start	208	End	605
GI	none	Score	716
Exons	208..603, 210..605		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o1.tm	Method	TBLASTX:Maize
Start	381	End	1739
GI	none	Score	723
Exons	381..932, 381..935, 382..942, 1014..1124, 1015..1125, 1022..1129, 1238..1498, 1239..1496, 1240..1497, 1588..1737, 1593..1739, 1593..1739		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o2.tc	Method	TBLASTX:Cress
Start	597	End	855
GI	none	Score	436
Exons	597..854, 598..855		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o2.ts	Method	TBLASTX:Soybean
Start	910	End	1354
GI	none	Score	52
Exons	910..942, 912..935, 1012..1086, 1014..1124, 1014..1124, 1015..1125, 1019..1129, 1215..1352, 1238..1354, 1240..1353		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o1.gp	Method	AAT/GAP
Start	1427	End	1739
GI	3447_1.R1084	Score	354
Exons	1427..1495, 1594..1739		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	22717	Seq. ID	OJ990525_07.9A15.C4
Gene No.	47238	Strand	+
Start	1	End	1739
Name	OJ990525_07.9A15.C4.o3.ts	Method	TBLASTX:Soybean
Start	1588	End	1739
GI	none	Score	241
Exons	1588..1737, 1591..1737, 1593..1739		

Seq. No.	22718	Seq. ID	OJ990525_07.9A15.C5
Gene No.	47239	Strand	-
Start	284	End	477
Name	OJ990525_07.9A15.C5.o1.gp	Method	AAT/GAP
Start	284	End	477
GI	92272_1.R1084	Score	282
Exons	284..477		
GI Descrip.	'5091516/dbj|BAA78751.1| 2.0e-59 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	22719	Seq. ID	OJ990525_07.9A15.C6
Gene No.	47240	Strand	+
Start	75	End	365
Name	OJ990525_07.9A15.C6.o1.gp	Method	AAT/GAP
Start	75	End	365
GI	20314_1.R1084	Score	309
Exons	75..115, 189..365		
GI Descrip.	'3176710 2.0e-15 (AC002392) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22719	Seq. ID	OJ990525_07.9A15.C6
Gene No.	47240	Strand	+
Start	75	End	365
Name	OJ990525_07.9A15.C6.o1.gs	Method	GENSCAN
Start	190	End	361
GI	none	Score	.9
Exons	190..361		

Seq. No.	22720	Seq. ID	OJ990525_07.9A15.C7
Gene No.	47241	Strand	-
Start	1	End	867
Name	OJ990525_07.9A15.C7.o1.np	Method	AAT/NAP
Start	1	End	867
GI	5091513	Score	1507
Exons	1..867		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22721	Seq. ID	OJ990525_07.9A15.C9
Gene No.	47242	Strand	-
Start	384	End	622
Name	OJ990525_07.9A15.C9.o1.gs	Method	GENSCAN
Start	384	End	622
GI	none	Score	.59
Exons	384..492, 612..622		

Seq. No.	22722	Seq. ID	OJ990525_07.9A15.C13
Gene No.	47243	Strand	+
Start	116	End	267
Name	OJ990525_07.9A15.C13.o1.gs	Method	GENSCAN
Start	116	End	267
GI	none	Score	.78
Exons	116..267		

Seq. No.	22723	Seq. ID	OJ990525_07.9A15.C14
Gene No.	47244	Strand	+
Start	1	End	592
Name	OJ990525_07.9A15.C14.o1.np	Method	AAT/NAP
Start	1	End	354
GI	5091524	Score	314
Exons	1..175, 261..354		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22723	Seq. ID	OJ990525_07.9A15.C14
Gene No.	47244	Strand	+
Start	1	End	592
Name	OJ990525_07.9A15.C14.o1.gs	Method	GENSCAN
Start	60	End	592
GI	none	Score	.45
Exons	60..137, 539..592		

Seq. No.	22724	Seq. ID	OJ990525_07.9A15.C19
Gene No.	47245	Strand	-
Start	585	End	698
Name	OJ990525_07.9A15.C19.o1.gp	Method	AAT/GAP
Start	585	End	698
GI	20314_1.R1084	Score	197

Exons	585..698		
GI Descrip.	'3176710 2.0e-15 (AC002392) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47246	Strand	+
Start	676	End	6273
Name	OJ990525_07.9A15.C21.o1.gs	Method	GENSCAN
Start	676	End	6273
GI	none	Score	.64
Exons	676..776, 941..1179, 1230..1466, 2988..3292, 3366..3501, 4641..4787, 5370..5720, 6164..6273		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47246	Strand	+
Start	676	End	6273
Name	OJ990525_07.9A15.C21.o1.np	Method	AAT/NAP
Start	1552	End	6270
GI	5091529	Score	2170
Exons	1552..1720, 2988..3292, 3366..3501, 4419..4552, 4664..4787, 5370..5720, 6164..6270		
GI Descrip.	(AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47246	Strand	+
Start	676	End	6273
Name	OJ990525_07.9A15.C21.o1.gp	Method	AAT/GAP
Start	3194	End	4701
GI	2801055	Score	714
Exons	3194..3292, 3366..3501, 4419..4552, 4664..4701		
GI Descrip.	5091529/dbj|BAA78764.1| 1.0e-71 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47246	Strand	+
Start	676	End	6273
Name	OJ990525_07.9A15.C21.o2.gp	Method	AAT/GAP
Start	4726	End	5618
GI	6025026	Score	519
Exons	4726..4787, 5370..5618		
GI Descrip.	5091529/dbj|BAA78764.1| 3.0e-44 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47247	Strand	-
Start	6033	End	6295
Name	OJ990525_07.9A15.C21.o3.gp	Method	AAT/GAP
Start	6033	End	6295
GI	3445004	Score	464
Exons	6033..6295		

GI Descrip.	5091529/dbj|BAA78764.1| 2.0e-16 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o2.tm	Method	TBLASTX:Maize
Start	3077	End	3503
GI	none	Score	253
Exons	3077..3301, 3097..3291, 3368..3502, 3369..3500, 3372..3503		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o2.ts	Method	TBLASTX:Soybean
Start	3086	End	4693
GI	none	Score	272
Exons	3086..3301, 3088..3306, 3104..3340, 3365..3451, 3366..3452, 4649..4693		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o1.tc	Method	TBLASTX:Cress
Start	3089	End	3498
GI	none	Score	265
Exons	3089..3301, 3091..3306, 3098..3313, 3365..3496, 3366..3497, 3409..3498		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o2.tw	Method	TBLASTX:Wheat
Start	3152	End	3503
GI	none	Score	62
Exons	3152..3223, 3239..3301, 3356..3499, 3387..3503		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o1.ts	Method	TBLASTX:Soybean
Start	3453	End	5779
GI	none	Score	78
Exons	3453..3500, 4424..4558, 4426..4548, 4433..4552, 4694..4795, 4709..4789, 5366..5779, 5368..5721		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o1.tw	Method	TBLASTX:Wheat
Start	4424	End	5533
GI	none	Score	166
Exons	4424..4552, 4432..4554, 4648..4719, 4649..4795, 4654..4803, 4759..4794, 5366..5533, 5368..5496		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o2.tc	Method	TBLASTX:Cress
Start	4424	End	5452
GI	none	Score	176
Exons	4424..4549, 4426..4548, 4648..4794, 4648..4722, 4649..4795, 4759..4794, 5366..5452, 5368..5451		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o1.tm	Method	TBLASTX:Maize
Start	4444	End	6238
GI	none	Score	147
Exons	4444..4554, 4445..4549, 4447..4554, 4640..4786, 4649..4795, 4662..4787, 5366..5728, 5372..5689, 5542..5739, 6080..6106, 6118..6147, 6179..6238		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o3.tc	Method	TBLASTX:Cress
Start	5474	End	5734
GI	none	Score	232
Exons	5474..5734, 5486..5683, 5557..5694		

Seq. No.	22725	Seq. ID	OJ990525_07.9A15.C21
Gene No.	47248	Strand	-
Start	6727	End	6993
Name	OJ990525_07.9A15.C21.o2.gs	Method	GENSCAN
Start	6727	End	6993
GI	none	Score	.82
Exons	6727..6848, 6909..6993		

Seq. No.	22726	Seq. ID	OJ990525_07.9A15.C22
Gene No.	47249	Strand	+
Start	1	End	1311
Name	OJ990525_07.9A15.C22.o1.np	Method	AAT/NAP
Start	1	End	197
GI	5091528	Score	325
Exons	1..197		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22726	Seq. ID	OJ990525_07.9A15.C22
Gene No.	47249	Strand	+
Start	1	End	1311
Name	OJ990525_07.9A15.C22.o2.np	Method	AAT/NAP
Start	6	End	1311
GI	6815099	Score	86
Exons	6..52, 1200..1311		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	22726	Seq. ID	OJ990525_07.9A15.C22
Gene No.	47249	Strand	+
Start	1	End	1311
Name	OJ990525_07.9A15.C22.o1.gs	Method	GENSCAN

Start	28	End	216
GI	none	Score	.87
Exons	28..74, 108..216		

Seq. No.	22726	Seq. ID	OJ990525_07.9A15.C22
Gene No.	47250	Strand	+
Start	1581	End	1762
Name	OJ990525_07.9A15.C22.o3.np	Method	AAT/NAP
Start	1581	End	1762
GI	5091527	Score	220
Exons	1581..1762		
GI Descrip.	(AB023482) Similar to Zea mays PRP gene.(X60432) [Oryza sativa]		

Seq. No.	22726	Seq. ID	OJ990525_07.9A15.C22
Gene No.	47251	Strand	-
Start	1565	End	1825
Name	OJ990525_07.9A15.C22.o2.gs	Method	GENSCAN
Start	1565	End	1825
GI	none	Score	.51
Exons	1565..1825		

Seq. No.	22727	Seq. ID	OJ990525_07.9A15.C23
Gene No.	47252	Strand	+
Start	1	End	708
Name	OJ990525_07.9A15.C23.o1.gp	Method	AAT/GAP
Start	1	End	708
GI	102998_1.R1084	Score	1372
Exons	1..708		
GI Descrip.	'5091527/dbj|BAA78762.1| 2.0e-49 (AB023482) Similar to Zea mays PRP gene.(X60432) [Oryza sativa]'		

Seq. No.	22727	Seq. ID	OJ990525_07.9A15.C23
Gene No.	47252	Strand	+
Start	1	End	708
Name	OJ990525_07.9A15.C23.o1.np	Method	AAT/NAP
Start	1	End	503
GI	5091527	Score	956
Exons	1..503		
GI Descrip.	(AB023482) Similar to Zea mays PRP gene.(X60432) [Oryza sativa]		

Seq. No.	22727	Seq. ID	OJ990525_07.9A15.C23
Gene No.	47252	Strand	+
Start	1	End	708
Name	OJ990525_07.9A15.C23.o1.tm	Method	TBLASTX:Maize
Start	228	End	509
GI	none	Score	309
Exons	228..428, 255..362, 420..509, 425..496, 438..506		

Seq. No.	22727	Seq. ID	OJ990525_07.9A15.C23
Gene No.	47252	Strand	+
Start	1	End	708
Name	OJ990525_07.9A15.C23.o1.ts	Method	TBLASTX:Soybean
Start	228	End	485
GI	none	Score	339
Exons	228..485, 236..364, 425..484		

Seq. No.	22727	Seq. ID	OJ990525_07.9A15.C23

Gene No.	47252	Strand	+
Start	1	End	708
Name	OJ990525_07.9A15.C23.o1.tc	Method	TBLASTX:Cress
Start	236	End	494
GI	none	Score	325
Exons	236..490, 237..494		

Seq. No.	22727	Seq. ID	OJ990525_07.9A15.C23
Gene No.	47252	Strand	+
Start	1	End	708
Name	OJ990525_07.9A15.C23.o1.tw	Method	TBLASTX:Wheat
Start	243	End	488
GI	none	Score	56
Exons	243..287, 255..293, 288..449, 288..362, 441..488, 453..488		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47253	Strand	+
Start	1	End	161
Name	OJ990525_07.9A15.C24.o1.gp	Method	AAT/GAP
Start	1	End	161
GI	LIB3431-010-P1-N1-F11	Score	249
Exons	1..161		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o1.gs	Method	GENSCAN
Start	304	End	5318
GI	none	Score	.72
Exons	304..553, 906..1311, 1410..1497, 1652..1915, 1995..2235, 2319..2395, 2841..3011, 3045..3185, 3310..3459, 3716..3880, 3972..4091, 4229..4431, 4508..4657, 4748..4895, 5047..5139, 5214..5318		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o3.ts	Method	TBLASTX:Soybean
Start	922	End	1306
GI	none	Score	336
Exons	922..1167, 929..1165, 1250..1306, 1252..1305		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o1.tc	Method	TBLASTX:Cress
Start	925	End	5318
GI	none	Score	334
Exons	925..1167, 929..1165, 1250..1312, 1252..1311, 1407..1493, 1411..1497, 1649..1918, 1649..1915, 1992..2243, 1994..2212, 1996..2235, 2317..2397, 2321..2395, 2323..2400, 2837..3010, 2838..3023, 2841..3026, 3090..3185, 3090..3185, 3091..3186, 3091..3153, 3092..3187, 3258..3458, 3262..3459, 3308..3460, 3309..3461, 3537..3641, 3537..3611, 3539..3628, 3713..3880, 3713..3880, 3727..3882, 3963..4070, 3969..4091, 3970..4071,		

3977..4090, 4217..4282, 4218..4283, 4226..4417, 4228..4419, 4228..4431, 4502..4663, 4505..4609, 4522..4611, 4527..4664, 4745..4888, 4746..4901, 4746..4895, 4747..4896, 5046..5120, 5047..5130, 5220..5318, 5238..5315

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o1.np	Method	AAT/NAP
Start	929	End	5315
GI	5091526	Score	3976
Exons	929..1311, 1410..1497, 1652..1915, 1995..2235, 2319..2395, 2841..3011, 3045..3185, 3310..3459, 3716..3880, 3972..4091, 4229..4431, 4508..4657, 4748..4895, 5047..5139, 5214..5315		
GI Descrip.	(AB023482) ESTs C27722(C52692),AU058088(S0509) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana ribonucleoside-diphosphate reductase large subunit mRNA, complete cds.(AF092841) [Oryza sativa]		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o2.tw	Method	TBLASTX:Wheat
Start	958	End	1279
GI	none	Score	169
Exons	958..1056, 959..1060, 970..1062, 1045..1167, 1051..1092, 1055..1165, 1250..1279, 1252..1278		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o1.tm	Method	TBLASTX:Maize
Start	1783	End	5321
GI	none	Score	226
Exons	1783..1914, 1784..1918, 1785..1919, 1992..2243, 1994..2212, 1996..2235, 2310..2396, 2317..2397, 2321..2395, 2824..3006, 2837..3022, 2841..3005, 3063..3185, 3092..3202, 3093..3185, 3094..3186, 3095..3187, 3262..3459, 3307..3459, 3309..3467, 3309..3461, 3520..3627, 3529..3627, 3530..3628, 3543..3629, 3713..3880, 3713..3880, 3714..3881, 3715..3885, 3969..4091, 3970..4092, 3971..4093, 4060..4101, 4226..4417, 4227..4430, 4228..4431, 4228..4431, 4495..4662, 4505..4663, 4506..4664, 4527..4664, 4745..4894, 4746..4901, 4747..4896, 5046..5138, 5046..5138, 5047..5139, 5238..5321, 5241..5321		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o4.ts	Method	TBLASTX:Soybean
Start	2085	End	2397
GI	none	Score	271
Exons	2085..2243, 2087..2212, 2317..2397, 2321..2395		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o1.ts	Method	TBLASTX:Soybean

Start	2856	End	3850
GI	none	Score	201
Exons	2856..2975, 2858..2974, 2976..3011, 3090..3185, 3092..3202, 3095..3187, 3262..3459, 3309..3458, 3537..3659, 3538..3612, 3539..3625, 3713..3850, 3713..3850		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o1.tw	Method	TBLASTX:Wheat
Start	4495	End	5141
GI	none	Score	172
Exons	4495..4662, 4505..4663, 4506..4664, 4507..4665, 4527..4664, 4745..4894, 4746..4901, 4752..4895, 4753..4896, 5044..5136, 5046..5138, 5046..5141, 5047..5139		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o2.ts	Method	TBLASTX:Soybean
Start	4514	End	4905
GI	none	Score	75
Exons	4514..4606, 4514..4663, 4516..4662, 4527..4664, 4737..4898, 4745..4897, 4747..4905		

Seq. No.	22728	Seq. ID	OJ990525_07.9A15.C24
Gene No.	47254	Strand	+
Start	304	End	5448
Name	OJ990525_07.9A15.C24.o2.gp	Method	AAT/GAP
Start	4842	End	5448
GI	2311567	Score	673
Exons	4842..4895, 5047..5139, 5214..5448		
GI Descrip.	5091526/dbj|BAA78761.1| 5.0e-38 (AB023482) ESTs C27722(C52692),AU058088(S0509) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana ribonucleoside-diphosphate reductase large subunit mRNA, complete cds.(AF092841) [Oryza sativa]		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47255	Strand	+
Start	576	End	4473
Name	OJ990525_07.9A15.C26.o1.np	Method	AAT/NAP
Start	576	End	2788
GI	6006872	Score	562
Exons	576..710, 792..848, 1084..1132, 1238..1326, 1448..1521, 1614..1656, 1850..1910, 2014..2039, 2119..2196, 2295..2375, 2447..2512, 2621..2788		
GI Descrip.	(AC009540) s-syntaxin-like protein [Arabidopsis thaliana]		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47255	Strand	+
Start	576	End	4473
Name	OJ990525_07.9A15.C26.o1.gs	Method	GENSCAN
Start	594	End	4473
GI	none	Score	.8
Exons	594..710, 792..848, 1084..1132, 1238..1326, 1448..1521, 1614..1656, 1850..1910, 2014..2039, 2119..2196, 2295..2375,		

2447..2512, 2621..2775, 4362..4473

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47256	Strand	+
Start	7515	End	8015
Name	OJ990525_07.9A15.C26.o3.gs	Method	GENSCAN
Start	7515	End	8015
GI	none	Score	.98
Exons	7515..8015		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47257	Strand	+
Start	12781	End	16098
Name	OJ990525_07.9A15.C26.o5.gs	Method	GENSCAN
Start	12781	End	16052
GI	none	Score	.7
Exons	12781..12834, 14233..14391, 15285..16052		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47257	Strand	+
Start	12781	End	16098
Name	OJ990525_07.9A15.C26.o5.np	Method	AAT/NAP
Start	12781	End	16098
GI	5091523	Score	1689
Exons	12781..12834, 14233..14391, 15285..16098		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47258	Strand	-
Start	5220	End	7761
Name	OJ990525_07.9A15.C26.o2.gs	Method	GENSCAN
Start	5220	End	7393
GI	none	Score	.92
Exons	5220..5340, 5446..5556, 6062..6147, 6781..6890, 7168..7393		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47258	Strand	-
Start	5220	End	7761
Name	OJ990525_07.9A15.C26.o2.np	Method	AAT/NAP
Start	5223	End	7393
GI	5091525	Score	1008
Exons	5223..5340, 5446..5556, 6062..6147, 6781..6890, 7168..7393		
GI Descrip.	(AB023482) EST C97523(C60312) corresponds to a region of the predicted gene.; Hypothetical protein [Oryza sativa]		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47258	Strand	-
Start	5220	End	7761
Name	OJ990525_07.9A15.C26.o1.gp	Method	AAT/GAP
Start	7150	End	7761
GI	3760267	Score	694
Exons	7150..7319, 7545..7761		
GI Descrip.	5091525/dbj|BAA78760.1| 1.0e-20 (AB023482) EST C97523(C60312) corresponds to a region of the predicted gene.; Hypothetical protein [Oryza sativa]		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47259	Strand	-
Start	8687	End	10227
Name	OJ990525_07.9A15.C26.o4.gs	Method	GENSCAN
Start	8687	End	10227
GI	none	Score	.4
Exons	8687..8813, 8996..9276, 9852..10040, 10090..10227		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47259	Strand	-
Start	8687	End	10227
Name	OJ990525_07.9A15.C26.o3.np	Method	AAT/NAP
Start	8817	End	9312
GI	5091524	Score	637
Exons	8817..8910, 8996..9312		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47260	Strand	-
Start	13291	End	13505
Name	OJ990525_07.9A15.C26.o2.gp	Method	AAT/GAP
Start	13291	End	13505
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	13291..13320, 13428..13505		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47261	Strand	-
Start	14799	End	18167
Name	OJ990525_07.9A15.C26.o3.gp	Method	AAT/GAP
Start	14799	End	17741
GI	20314_1.R1084	Score	905
Exons	14799..15015, 17000..17171, 17454..17514, 17661..17741		
GI Descrip.	'3176710 2.0e-15 (AC002392) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47261	Strand	-
Start	14799	End	18167
Name	OJ990525_07.9A15.C26.o6.gs	Method	GENSCAN
Start	16407	End	18167
GI	none	Score	.72
Exons	16407..16423, 17000..17171, 17454..17514, 17661..17737, 17827..18167		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o4.tm	Method	TBLASTX:Maize
Start	582	End	1660
GI	none	Score	161
Exons	582..716, 587..712, 790..849, 820..852, 1062..1130, 1084..1131, 1234..1326, 1237..1326, 1448..1513, 1450..1512, 1598..1660, 1618..1656		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o3.tm	Method	TBLASTX:Maize
Start	1837	End	2710
GI	none	Score	91
Exons	1837..1908, 1847..1909, 2009..2044, 2010..2039, 2107..2199, 2110..2199, 2292..2378, 2434..2505, 2444..2515, 2606..2710, 2620..2706		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o2.tc	Method	TBLASTX:Cress
Start	1853	End	2713
GI	none	Score	62
Exons	1853..1909, 2107..2199, 2292..2378, 2444..2515, 2609..2713		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o2.ts	Method	TBLASTX:Soybean
Start	2116	End	2716
GI	none	Score	74
Exons	2116..2199, 2292..2378, 2444..2515, 2609..2716, 2650..2715		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o1.tw	Method	TBLASTX:Wheat
Start	11088	End	11431
GI	none	Score	83
Exons	11088..11222, 11222..11431		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o2.tm	Method	TBLASTX:Maize
Start	11705	End	12290
GI	none	Score	125
Exons	11705..11848, 11728..11847, 11865..12290, 11865..12161, 12059..12289		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o2.tw	Method	TBLASTX:Wheat
Start	11753	End	12068
GI	none	Score	107
Exons	11753..11848, 11771..11845, 11832..12032, 11862..12068		

Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o1.tm	Method	TBLASTX:Maize
Start	14891	End	18183
GI	none	Score	172

Exons	14891..14944, 14892..15017, 14901..15014, 16997..17074, 17011..17094, 17033..17170, 17035..17181, 17067..17183, 17443..17517, 17445..17516, 17661..17744, 17663..17743, 17824..18024, 17827..18024, 18022..18183, 18026..18181		
Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o1.tc	Method	TBLASTX:Cress
Start	17660	End	18205
GI	none	Score	72
Exons	17660..17743, 17661..17741, 17824..17973, 17959..18048, 18043..18135, 18046..18183, 18065..18205		
Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o1.ts	Method	TBLASTX:Soybean
Start	17790	End	18183
GI	none	Score	117
Exons	17790..18032, 17824..18018, 17824..18048, 17828..18028, 18049..18183		
Seq. No.	22729	Seq. ID	OJ990525_07.9A15.C26
Gene No.	47262	Strand	-
Start	18073	End	18205
Name	OJ990525_07.9A15.C26.o4.gp	Method	AAT/GAP
Start	18073	End	18172
GI	LIB3433-029-P1-K1-B10	Score	160
Exons	18073..18172		
GI Descrip.	'5091522/dbj|BAA78757.1| 4.0e-19 (AB023482) Similar to Arabidopsis thaliana chromosome II BAC T20K24 genomic sequence, complete sequence.(AC002392) [Oryza sativa]'		
Seq. No.	22730	Seq. ID	OJ990525_07.9A15.C27
Gene No.	47263	Strand	-
Start	195	End	550
Name	OJ990525_07.9A15.C27.o1.gp	Method	AAT/GAP
Start	195	End	475
GI	LIB3433-029-P1-K1-B10	Score	223
Exons	195..219, 328..475		
GI Descrip.	'5091522/dbj|BAA78757.1| 4.0e-19 (AB023482) Similar to Arabidopsis thaliana chromosome II BAC T20K24 genomic sequence, complete sequence.(AC002392) [Oryza sativa]'		
Seq. No.	22730	Seq. ID	OJ990525_07.9A15.C27
Gene No.	47263	Strand	-
Start	195	End	550
Name	OJ990525_07.9A15.C27.o1.tm	Method	TBLASTX:Maize
Start	318	End	476
GI	none	Score	129
Exons	318..446, 320..445, 441..476		
Seq. No.	22730	Seq. ID	OJ990525_07.9A15.C27
Gene No.	47263	Strand	-
Start	195	End	550
Name	OJ990525_07.9A15.C27.o1.np	Method	AAT/NAP

Start	326	End	522
GI	5091522	Score	299
Exons	326..522		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana chromosome II BAC T20K24 genomic sequence, complete sequence.(AC002392) [Oryza sativa]		

Seq. No.	22730	Seq. ID	OJ990525_07.9A15.C27
Gene No.	47263	Strand	-
Start	195	End	550
Name	OJ990525_07.9A15.C27.o1.gs	Method	GENSCAN
Start	340	End	550
GI	none	Score	.95
Exons	340..550		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47264	Strand	+
Start	1199	End	2149
Name	OJ990525_07.9A15.C28.o1.gs	Method	GENSCAN
Start	1199	End	2149
GI	none	Score	.8
Exons	1199..1538, 2055..2149		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47264	Strand	+
Start	1199	End	2149
Name	OJ990525_07.9A15.C28.o1.np	Method	AAT/NAP
Start	1199	End	2146
GI	5091521	Score	686
Exons	1199..1538, 2055..2146		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47265	Strand	+
Start	7007	End	7806
Name	OJ990525_07.9A15.C28.o3.np	Method	AAT/NAP
Start	7007	End	7806
GI	5091519	Score	943
Exons	7007..7031, 7254..7806		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47266	Strand	-
Start	5726	End	6704
Name	OJ990525_07.9A15.C28.o1.tm	Method	TBLASTX:Maize
Start	5720	End	6701
GI	none	Score	59
Exons	5720..5806, 5723..5824, 5733..5828, 5825..5881, 5855..5980, 5858..6190, 5862..6047, 6041..6193, 6114..6260, 6188..6691, 6189..6692, 6588..6701		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47266	Strand	-
Start	5726	End	6704
Name	OJ990525_07.9A15.C28.o1.gp	Method	AAT/GAP
Start	5726	End	6163
GI	8546_1_R1084	Score	817

Exons	5726..6163		
GI Descrip.	'5091520/dbj|BAA78755.1| 2.0e-42 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47266	Strand	-
Start	5726	End	6704
Name	OJ990525_07.9A15.C28.o2.np	Method	AAT/NAP
Start	5894	End	6643
GI	5091520	Score	1262
Exons	5894..6643		
GI Descrip.	(AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47266	Strand	-
Start	5726	End	6704
Name	OJ990525_07.9A15.C28.o1.tc	Method	TBLASTX:Cress
Start	5897	End	6682
GI	none	Score	55
Exons	5897..5974, 5898..5975, 5987..6682, 5988..6341, 6378..6500, 6555..6644		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47266	Strand	-
Start	5726	End	6704
Name	OJ990525_07.9A15.C28.o1.ts	Method	TBLASTX:Soybean
Start	5987	End	6644
GI	none	Score	55
Exons	5987..6079, 5988..6047, 6080..6643, 6089..6283, 6114..6644		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47266	Strand	-
Start	5726	End	6704
Name	OJ990525_07.9A15.C28.o1.tw	Method	TBLASTX:Wheat
Start	6015	End	6662
GI	none	Score	43
Exons	6015..6047, 6017..6433, 6041..6229, 6114..6434, 6557..6661, 6558..6662		

Seq. No.	22731	Seq. ID	OJ990525_07.9A15.C28
Gene No.	47266	Strand	-
Start	5726	End	6704
Name	OJ990525_07.9A15.C28.o2.gp	Method	AAT/GAP
Start	6168	End	6704
GI	31845_1.R1084	Score	997
Exons	6168..6704		
GI Descrip.	'5091520/dbj|BAA78755.1| 8.0e-76 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	22732	Seq. ID	OJ990525_07.9A15.C29

Gene No.	47267	Strand	+
Start	1	End	93
Name	OJ990525_07.9A15.C29.o1.np	Method	AAT/NAP
Start	1	End	93
GI	5091519	Score	107
Exons	1..93		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22732	Seq. ID	OJ990525_07.9A15.C29
Gene No.	47268	Strand	-
Start	1	End	3700
Name	OJ990525_07.9A15.C29.o2.np	Method	AAT/NAP
Start	1	End	2076
GI	6056375	Score	236
Exons	1..62, 1414..1600, 1724..2076		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	22732	Seq. ID	OJ990525_07.9A15.C29
Gene No.	47268	Strand	-
Start	1	End	3700
Name	OJ990525_07.9A15.C29.o1.gp	Method	AAT/GAP
Start	758	End	1140
GI	4714092	Score	689
Exons	758..1140		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 1.0e-173 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	22732	Seq. ID	OJ990525_07.9A15.C29
Gene No.	47268	Strand	-
Start	1	End	3700
Name	OJ990525_07.9A15.C29.o1.gs	Method	GENSCAN
Start	1128	End	3700
GI	none	Score	.75
Exons	1128..1312, 1414..1600, 1724..2028, 2295..2356, 3111..3155, 3624..3700		

Seq. No.	22732	Seq. ID	OJ990525_07.9A15.C29
Gene No.	47268	Strand	-
Start	1	End	3700
Name	OJ990525_07.9A15.C29.o2.gp	Method	AAT/GAP
Start	1230	End	1848
GI	286986	Score	677
Exons	1230..1312, 1414..1600, 1724..1848		
GI Descrip.	6056372/gb|AAF02836.1|AC009894_7 2.0e-24 (AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	22732	Seq. ID	OJ990525_07.9A15.C29
Gene No.	47268	Strand	-
Start	1	End	3700
Name	OJ990525_07.9A15.C29.o1.tc	Method	TBLASTX:Cress
Start	1418	End	2008
GI	none	Score	79
Exons	1418..1609, 1419..1583, 1723..1752, 1772..1885, 1934..2008		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47269	Strand	+

Start	895	End	1032
Name	OJ990525_07.9A15.C30.o1.np	Method	AAT/NAP
Start	895	End	1032
GI	5091518	Score	220
Exons	895..1032		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47270	Strand	+
Start	4639	End	5331
Name	OJ990525_07.9A15.C30.o2.gs	Method	GENSCAN
Start	4639	End	5331
GI	none	Score	.41
Exons	4639..4773, 4814..5009, 5024..5331		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47271	Strand	+
Start	8628	End	9041
Name	OJ990525_07.9A15.C30.o4.np	Method	AAT/NAP
Start	8628	End	9041
GI	5091515	Score	585
Exons	8628..8684, 8748..9041		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47272	Strand	-
Start	4728	End	5295
Name	OJ990525_07.9A15.C30.o2.np	Method	AAT/NAP
Start	4728	End	5295
GI	5091517	Score	545
Exons	4728..4800, 4899..5058, 5178..5295		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o1.gp	Method	AAT/GAP
Start	6461	End	7218
GI	92272_1.R1084	Score	1422
Exons	6461..7218		
GI Descrip.	'5091516/dbj|BAA78751.1| 2.0e-59 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o2.tm	Method	TBLASTX:Maize
Start	6652	End	6931
GI	none	Score	337
Exons	6652..6930, 6656..6931, 6674..6931		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885

Name	OJ990525_07.9A15.C30.o3.gs	Method	GENSCAN
Start	6676	End	8885
GI	none	Score	.49
Exons	6676..7539, 8766..8885		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o3.np	Method	AAT/NAP
Start	6679	End	7751
GI	5091516	Score	1517
Exons	6679..7539, 7716..7751		
GI Descrip.	(AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part...		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o2.tc	Method	TBLASTX:Cress
Start	6694	End	6934
GI	none	Score	69
Exons	6694..6933, 6721..6915, 6728..6934		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o1.ts	Method	TBLASTX:Soybean
Start	6946	End	7263
GI	none	Score	228
Exons	6946..7263		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o1.tm	Method	TBLASTX:Maize
Start	6983	End	7540
GI	none	Score	110
Exons	6983..7102, 6984..7103, 6987..7538, 6988..7206, 6988..7539, 7175..7540, 7179..7499, 7229..7540		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o1.tc	Method	TBLASTX:Cress
Start	7204	End	7503
GI	none	Score	73
Exons	7204..7362, 7238..7360, 7369..7503, 7396..7437		

Seq. No.	22733	Seq. ID	OJ990525_07.9A15.C30
Gene No.	47273	Strand	-
Start	6676	End	8885
Name	OJ990525_07.9A15.C30.o2.gp	Method	AAT/GAP
Start	7244	End	8708
GI	LIB3477-004-P1-K1-D10	Score	775
Exons	7244..7539, 7716..7792, 8651..8708		

GI Descrip.	'5091516/dbj|BAA78751.1| 4.0e-58 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		
Seq. No.	22734	Seq. ID	OJ990525_07.9A15.C31
Gene No.	47274	Strand	+
Start	543	End	1239
Name	OJ990525_07.9A15.C31.o1.gs	Method	GENSCAN
Start	543	End	1239
GI	none	Score	.87
Exons	543..585, 1002..1239		
Seq. No.	22734	Seq. ID	OJ990525_07.9A15.C31
Gene No.	47275	Strand	+
Start	3079	End	3327
Name	OJ990525_07.9A15.C31.o1.gp	Method	AAT/GAP
Start	3079	End	3327
GI	3761181	Score	406
Exons	3079..3327		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	22734	Seq. ID	OJ990525_07.9A15.C31
Gene No.	47276	Strand	-
Start	3015	End	3594
Name	OJ990525_07.9A15.C31.o2.gs	Method	GENSCAN
Start	3015	End	3594
GI	none	Score	.66
Exons	3015..3034, 3297..3594		
Seq. No.	22735	Seq. ID	OJ990525_07.9A15.C32
Gene No.	47277	Strand	+
Start	1	End	2445
Name	OJ990525_07.9A15.C32.o1.np	Method	AAT/NAP
Start	1	End	2445
GI	5091513	Score	2487
Exons	1..1380, 2134..2445		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	22736	Seq. ID	OJ990525_07.9A15.C33
Gene No.	47278	Strand	+
Start	131	End	3627
Name	OJ990525_07.9A15.C33.o1.gs	Method	GENSCAN
Start	131	End	3627
GI	none	Score	.56
Exons	131..650, 705..1087, 1217..1507, 1974..1995, 3515..3627		
Seq. No.	22736	Seq. ID	OJ990525_07.9A15.C33
Gene No.	47279	Strand	+
Start	6551	End	6893
Name	OJ990525_07.9A15.C33.o2.hp	Method	AAT/NAP
Start	6551	End	6893
GI	5091511	Score	480
Exons	6551..6893		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger		

protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]

Seq. No.	22736	Seq. ID	OJ990525_07.9A15.C33
Gene No.	47280	Strand	-
Start	1	End	601
Name	OJ990525_07.9A15.C33.o1.np	Method	AAT/NAP
Start	1	End	601
GI	5091512	Score	753
Exons	1..382, 423..601		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	22737	Seq. ID	OJ990525_07.9A15.C34
Gene No.	47281	Strand	+
Start	1	End	558
Name	OJ990525_07.9A15.C34.o1.np	Method	AAT/NAP
Start	1	End	555
GI	5091511	Score	930
Exons	1..555		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	22737	Seq. ID	OJ990525_07.9A15.C34
Gene No.	47281	Strand	+
Start	1	End	558
Name	OJ990525_07.9A15.C34.o1.gs	Method	GENSCAN
Start	37	End	558
GI	none	Score	1
Exons	37..558		

Seq. No.	22737	Seq. ID	OJ990525_07.9A15.C34
Gene No.	47282	Strand	-
Start	1812	End	5415
Name	OJ990525_07.9A15.C34.o2.gs	Method	GENSCAN
Start	1812	End	5247
GI	none	Score	.64
Exons	1812..1940, 2941..3017, 3675..3717, 4438..4542, 5075..5247		

Seq. No.	22737	Seq. ID	OJ990525_07.9A15.C34
Gene No.	47282	Strand	-
Start	1812	End	5415
Name	OJ990525_07.9A15.C34.o2.np	Method	AAT/NAP
Start	1815	End	5247
GI	5091510	Score	763
Exons	1815..1940, 2941..3017, 3675..3717, 4438..4542, 5075..5247		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana gamma-adaptin 1 mRNA, complete cds.(AF061286) [Oryza sativa]		

Seq. No.	22737	Seq. ID	OJ990525_07.9A15.C34
Gene No.	47282	Strand	-
Start	1812	End	5415
Name	OJ990525_07.9A15.C34.o1.tm	Method	TBLASTX:Maize
Start	3428	End	5415
GI	none	Score	66
Exons	3428..3496, 3429..3497, 3502..3567, 3567..3719, 3588..3719, 3622..3732, 4437..4532, 4438..4545, 4439..4543, 5069..5251, 5075..5248, 5306..5380, 5333..5377, 5334..5414, 5344..5415,		

5344..5412, 5382..5414

Seq. No.	22737	Seq. ID	OJ990525_07.9A15.C34
Gene No.	47282	Strand	-
Start	1812	End	5415
Name	OJ990525_07.9A15.C34.o1.gp	Method	AAT/GAP
Start	3595	End	4537
GI	2796377	Score	283
Exons	3595..3717, 4438..4537		
GI Descrip.	5091510/dbj|BAA78745.1| 3.0e-14 (AB023482) Similar to Arabidopsis thaliana gamma-adaptin 1 mRNA, complete cds.(AF061286) [Oryza sativa]		

Seq. No.	22737	Seq. ID	OJ990525_07.9A15.C34
Gene No.	47282	Strand	-
Start	1812	End	5415
Name	OJ990525_07.9A15.C34.o1.ts	Method	TBLASTX:Soybean
Start	3637	End	5248
GI	none	Score	76
Exons	3637..3720, 3637..3720, 4438..4488, 4442..4489, 4486..4545, 4490..4534, 5069..5248, 5079..5234		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o1.np	Method	AAT/NAP
Start	1	End	7127
GI	5091510	Score	3102
Exons	1..422, 1196..1323, 1774..1869, 1963..2085, 2184..2238, 2843..3006, 3430..3520, 4310..4509, 4811..4990, 6040..6213, 6589..6777, 6861..7127		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana gamma-adaptin 1 mRNA, complete cds.(AF061286) [Oryza sativa]		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o1.gs	Method	GENSCAN
Start	40	End	7127
GI	none	Score	.79
Exons	40..422, 1196..1323, 1774..1869, 1963..2085, 2902..3006, 3430..3520, 4310..4509, 4811..4990, 6040..6213, 6589..6777, 6861..7127		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o2.tm	Method	TBLASTX:Maize
Start	131	End	2934
GI	none	Score	75
Exons	131..187, 132..188, 148..429, 150..428, 467..622, 515..625, 517..627, 528..623, 1195..1293, 1196..1285, 1774..1869, 1775..1870, 1961..2086, 1963..2085, 2177..2236, 2182..2238, 2184..2255, 2185..2256, 2841..2924, 2842..2931, 2842..2934		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-

Start	1	End	7308
Name	OJ990525_07.9A15.C35.o1.tc	Method	TBLASTX:Cress
Start	140	End	7261
GI	none	Score	131
Exons	140..184, 287..424, 517..630, 1198..1332, 1724..1870, 1764..1847, 1768..1869, 1771..1872, 1961..2086, 1961..2086, 1962..2087, 1963..2088, 1963..2088, 2190..2255, 2193..2237, 2842..3021, 2842..3024, 3428..3523, 3430..3534, 3430..3522, 4307..4468, 4309..4467, 4311..4481, 4311..4472, 4808..4987, 4809..4991, 6043..6213, 6044..6217, 6089..6214, 6589..6753, 6590..6730, 6645..6731, 6825..6998, 6828..7133, 6829..7134, 7228..7260, 7232..7261		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o1.ts	Method	TBLASTX:Soybean
Start	1219	End	2076
GI	none	Score	131
Exons	1219..1332, 1694..1870, 1765..1872, 1768..1869, 1961..2074, 1963..2076		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o4.ts	Method	TBLASTX:Soybean
Start	2839	End	3480
GI	none	Score	95
Exons	2839..3009, 2842..3009, 3430..3480		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o3.tm	Method	TBLASTX:Maize
Start	3428	End	6183
GI	none	Score	143
Exons	3428..3523, 3429..3521, 3430..3522, 4298..4465, 4307..4465, 4309..4467, 4315..4467, 4805..5002, 4809..4991, 6039..6140, 6040..6183, 6040..6180		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o2.ts	Method	TBLASTX:Soybean
Start	4409	End	4981
GI	none	Score	98
Exons	4409..4468, 4411..4467, 4808..4981, 4809..4979		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o3.ts	Method	TBLASTX:Soybean
Start	6034	End	6732
GI	none	Score	116
Exons	6034..6207, 6040..6213, 6071..6214, 6107..6217, 6575..6730, 6589..6732, 6590..6730		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o4.tm	Method	TBLASTX:Maize
Start	6588	End	6733
GI	none	Score	177
Exons	6588..6731, 6589..6732, 6590..6733		

Seq. No.	22738	Seq. ID	OJ990525_07.9A15.C35
Gene No.	47283	Strand	-
Start	1	End	7308
Name	OJ990525_07.9A15.C35.o1.tm	Method	TBLASTX:Maize
Start	6852	End	7308
GI	none	Score	187
Exons	6852..7046, 6852..7133, 6892..7131, 7226..7306, 7228..7308		

Seq. No.	22739	Seq. ID	OJ990525_07.9A15.C36
Gene No.	47284	Strand	+
Start	1935	End	6523
Name	OJ990525_07.9A15.C36.o1.np	Method	AAT/NAP
Start	1935	End	6523
GI	5091509	Score	4671
Exons	1935..2215, 2949..3072, 3186..3278, 3451..3841, 4593..5082, 5193..6523		
GI Descrip.	(AB023482) EST AU065533(C2174) corresponds to a region of the predicted gene.; Similar to Homo sapiens splicing factor Prp8 mRNA, complete cds.(AF092565) [Oryza sativa]		

Seq. No.	22739	Seq. ID	OJ990525_07.9A15.C36
Gene No.	47284	Strand	+
Start	1935	End	6523
Name	OJ990525_07.9A15.C36.o1.gs	Method	GENSCAN
Start	1968	End	6447
GI	none	Score	.73
Exons	1968..2215, 2949..3072, 3186..3278, 3451..3841, 4593..5082, 5193..6447		

Seq. No.	22739	Seq. ID	OJ990525_07.9A15.C36
Gene No.	47284	Strand	+
Start	1935	End	6523
Name	OJ990525_07.9A15.C36.o3.tc	Method	TBLASTX:Cress
Start	2075	End	2201
GI	none	Score	196
Exons	2075..2200, 2076..2201		

Seq. No.	22739	Seq. ID	OJ990525_07.9A15.C36
Gene No.	47284	Strand	+
Start	1935	End	6523
Name	OJ990525_07.9A15.C36.o2.tc	Method	TBLASTX:Cress
Start	2971	End	3642
GI	none	Score	167
Exons	2971..3075, 2971..3072, 2985..3074, 3176..3274, 3183..3278, 3448..3468, 3448..3642, 3495..3557, 3547..3642		

Seq. No.	22739	Seq. ID	OJ990525_07.9A15.C36
Gene No.	47284	Strand	+
Start	1935	End	6523

Name	OJ990525_07.9A15.C36.o1.tc	Method	TBLASTX:Cress
Start	4586	End	4858
GI	none	Score	462
Exons	4586..4858, 4591..4794, 4697..4858		

Seq. No.	22739	Seq. ID	OJ990525_07.9A15.C36
Gene No.	47284	Strand	+
Start	1935	End	6523
Name	OJ990525_07.9A15.C36.o2.tm	Method	TBLASTX:Maize
Start	5495	End	5691
GI	none	Score	127
Exons	5495..5674, 5499..5690, 5499..5657, 5500..5691		

Seq. No.	22739	Seq. ID	OJ990525_07.9A15.C36
Gene No.	47284	Strand	+
Start	1935	End	6523
Name	OJ990525_07.9A15.C36.o1.tm	Method	TBLASTX:Maize
Start	5965	End	6209
GI	none	Score	388
Exons	5965..6189, 5967..6209, 5984..6193, 5988..6200		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37
Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o1.np	Method	AAT/NAP
Start	1	End	1069
GI	5091509	Score	1637
Exons	1..1069		
GI Descrip.	(AB023482) EST AU065533(C2174) corresponds to a region of the predicted gene.; Similar to Homo sapiens splicing factor Prp8 mRNA, complete cds.(AF092565) [Oryza sativa]		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37
Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o2.ts	Method	TBLASTX:Soybean
Start	7	End	264
GI	none	Score	306
Exons	7..246, 7..81, 8..247, 9..251, 9..254, 121..264		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37
Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o2.tm	Method	TBLASTX:Maize
Start	20	End	293
GI	none	Score	323
Exons	20..292, 21..293, 22..291, 30..293		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37
Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o1.gs	Method	GENSCAN
Start	49	End	489
GI	none	Score	.87
Exons	49..489		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37

Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o1.tc	Method	TBLASTX:Cress
Start	282	End	485
GI	none	Score	321
Exons	282..485, 283..483, 287..484		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37
Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o1.tm	Method	TBLASTX:Maize
Start	359	End	1018
GI	none	Score	172
Exons	359..544, 362..538, 363..545, 364..543, 602..1018, 607..1017		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37
Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o1.ts	Method	TBLASTX:Soybean
Start	591	End	823
GI	none	Score	343
Exons	591..818, 602..823, 607..819		

Seq. No.	22740	Seq. ID	OJ990525_07.9A15.C37
Gene No.	47285	Strand	+
Start	1	End	1069
Name	OJ990525_07.9A15.C37.o1.gp	Method	AAT/GAP
Start	642	End	1018
GI	uC-osrocyp008b07b1	Score	716
Exons	642..1018		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	22741	Seq. ID	OJ990525_07.9A15.C40
Gene No.	47286	Strand	+
Start	1	End	750
Name	OJ990525_07.9A15.C40.o2.np	Method	AAT/NAP
Start	1	End	700
GI	3176710	Score	122
Exons	1..99, 534..700		
GI Descrip.	(AC002392) unknown protein [Arabidopsis thaliana]		

Seq. No.	22741	Seq. ID	OJ990525_07.9A15.C40
Gene No.	47286	Strand	+
Start	1	End	750
Name	OJ990525_07.9A15.C40.o1.gp	Method	AAT/GAP
Start	534	End	750
GI	20314_1.R1084	Score	344
Exons	534..750		
GI Descrip.	'3176710 2.0e-15 (AC002392) unknown protein [Arabidopsis thaliana]'		

Seq. No.	22741	Seq. ID	OJ990525_07.9A15.C40
Gene No.	47287	Strand	-
Start	1	End	805
Name	OJ990525_07.9A15.C40.o1.np	Method	AAT/NAP
Start	1	End	805

GI	5091523	Score	425
Exons	1..264, 721..805		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	22742	Seq. ID	OJ990525_07.9A15.C45
Gene No.	47288	Strand	+
Start	125	End	877
Name	OJ990525_07.9A15.C45.o1.gs	Method	GENSCAN
Start	125	End	743
GI	none	Score	.66
Exons	125..743		

Seq. No.	22742	Seq. ID	OJ990525_07.9A15.C45
Gene No.	47288	Strand	+
Start	125	End	877
Name	OJ990525_07.9A15.C45.o1.np	Method	AAT/NAP
Start	146	End	877
GI	5091513	Score	931
Exons	146..877		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	22743	Seq. ID	OJ990525_07.9A15.C46
Gene No.	47289	Strand	+
Start	1	End	501
Name	OJ990525_07.9A15.C46.o1.np	Method	AAT/NAP
Start	1	End	501
GI	3661603	Score	286
Exons	1..92, 173..259, 349..501		
GI Descrip.	(AF092841) ribonucleoside-diphosphate reductase large subunit [Arabidopsis thaliana]		

Seq. No.	22743	Seq. ID	OJ990525_07.9A15.C46
Gene No.	47289	Strand	+
Start	1	End	501
Name	OJ990525_07.9A15.C46.o1.tm	Method	TBLASTX:Maize
Start	56	End	473
GI	none	Score	57
Exons	56..94, 57..92, 59..100, 153..260, 162..260, 163..261, 176..262, 346..471, 346..471, 347..472, 348..473		

Seq. No.	22743	Seq. ID	OJ990525_07.9A15.C46
Gene No.	47289	Strand	+
Start	1	End	501
Name	OJ990525_07.9A15.C46.o1.ts	Method	TBLASTX:Soybean
Start	56	End	471
GI	none	Score	54
Exons	56..91, 57..92, 170..292, 171..245, 172..258, 346..471, 346..462, 351..470		

Seq. No.	22743	Seq. ID	OJ990525_07.9A15.C46
Gene No.	47289	Strand	+
Start	1	End	501
Name	OJ990525_07.9A15.C46.o1.tc	Method	TBLASTX:Cress
Start	57	End	482
GI	none	Score	57
Exons	57..92, 57..92, 59..94, 170..274, 172..261, 346..471, 348..482		

Seq. No.	22744	Seq. ID	OJ990525_07.9A15.C47
Gene No.	47290	Strand	+
Start	1	End	784
Name	OJ990525_07.9A15.C47.o1.np	Method	AAT/NAP
Start	1	End	784
GI	5091510	Score	110
Exons	1..37, 211..315, 699..784		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana gamma-adaptin 1 mRNA, complete cds.(AF061286) [Oryza sativa]		

Seq. No.	22744	Seq. ID	OJ990525_07.9A15.C47
Gene No.	47290	Strand	+
Start	1	End	784
Name	OJ990525_07.9A15.C47.o1.gs	Method	GENSCAN
Start	211	End	315
GI	none	Score	.47
Exons	211..315		

Seq. No.	22744	Seq. ID	OJ990525_07.9A15.C47
Gene No.	47290	Strand	+
Start	1	End	784
Name	OJ990525_07.9A15.C47.o1.gp	Method	AAT/GAP
Start	216	End	315
GI	2796377	Score	171
Exons	216..315		
GI Descrip.	5091510/dbj|BAA78745.1| 3.0e-14 (AB023482) Similar to Arabidopsis thaliana gamma-adaptin 1 mRNA, complete cds.(AF061286) [Oryza sativa]		

Seq. No.	22745	Seq. ID	OJ990525_07.9A15.C49
Gene No.	47291	Strand	-
Start	22	End	313
Name	OJ990525_07.9A15.C49.o1.gs	Method	GENSCAN
Start	22	End	313
GI	none	Score	.73
Exons	22..313		

Seq. No.	22746	Seq. ID	OJ990525_07.9A15.C50
Gene No.	47292	Strand	+
Start	1	End	591
Name	OJ990525_07.9A15.C50.o1.gp	Method	AAT/GAP
Start	1	End	535
GI	LIB3477-004-P1-K1-D10	Score	682
Exons	1..63, 240..535		
GI Descrip.	'5091516/dbj|BAA78751.1| 4.0e-58 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	22746	Seq. ID	OJ990525_07.9A15.C50
Gene No.	47292	Strand	+
Start	1	End	591
Name	OJ990525_07.9A15.C50.o1.np	Method	AAT/NAP
Start	28	End	591
GI	5091516	Score	589

Exons	28..63, 240..591		
GI Descrip.	(AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part...		

Seq. No.	22746	Seq. ID	OJ990525_07.9A15.C50
Gene No.	47293	Strand	-
Start	267	End	591
Name	OJ990525_07.9A15.C50.o1.tm	Method	TBLASTX:Maize
Start	239	End	591
GI	none	Score	498
Exons	239..550, 240..590, 241..591, 246..587		

Seq. No.	22746	Seq. ID	OJ990525_07.9A15.C50
Gene No.	47293	Strand	-
Start	267	End	591
Name	OJ990525_07.9A15.C50.o1.gs	Method	GENSCAN
Start	267	End	466
GI	none	Score	.4
Exons	267..466		

Seq. No.	22746	Seq. ID	OJ990525_07.9A15.C50
Gene No.	47293	Strand	-
Start	267	End	591
Name	OJ990525_07.9A15.C50.o1.tc	Method	TBLASTX:Cress
Start	276	End	575
GI	none	Score	115
Exons	276..410, 417..575		

Seq. No.	22746	Seq. ID	OJ990525_07.9A15.C50
Gene No.	47293	Strand	-
Start	267	End	591
Name	OJ990525_07.9A15.C50.o1.ts	Method	TBLASTX:Soybean
Start	324	End	575
GI	none	Score	175
Exons	324..575		

Seq. No.	22747	Seq. ID	OJ990505_06.9A11.C3
Gene No.	47294	Strand	-
Start	570	End	726
Name	OJ990505_06.9A11.C3.o1.gp	Method	AAT/GAP
Start	570	End	726
GI	uC-osflcyp030f12b1	Score	278
Exons	570..726		
GI Descrip.	'3540181 4.0e-12 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	22748	Seq. ID	OJ990505_06.9A11.C5
Gene No.	47295	Strand	+
Start	1	End	432
Name	OJ990505_06.9A11.C5.o1.gp	Method	AAT/GAP
Start	1	End	342
GI	5003042	Score	647
Exons	1..342		
GI Descrip.	3540181 4.0e-12 (AC004122) Unknown protein [Arabidopsis thaliana]		

Seq. No.	22748	Seq. ID	OJ990505_06.9A11.C5
Gene No.	47295	Strand	+
Start	1	End	432
Name	OJ990505_06.9A11.C5.o1.tm	Method	TBLASTX:Maize
Start	19	End	263
GI	none	Score	118
Exons	19..72, 20..172, 20..175, 30..251, 144..212, 183..263, 230..262		

Seq. No.	22748	Seq. ID	OJ990505_06.9A11.C5
Gene No.	47295	Strand	+
Start	1	End	432
Name	OJ990505_06.9A11.C5.o1.ts	Method	TBLASTX:Soybean
Start	29	End	431
GI	none	Score	84
Exons	29..85, 30..86, 126..212, 240..293, 342..431		

Seq. No.	22748	Seq. ID	OJ990505_06.9A11.C5
Gene No.	47295	Strand	+
Start	1	End	432
Name	OJ990505_06.9A11.C5.o1.np	Method	AAT/NAP
Start	33	End	432
GI	3540181	Score	228
Exons	33..432		
GI Descrip.	(AC004122) Unknown protein [Arabidopsis thaliana]		

Seq. No.	22749	Seq. ID	OJ990505_06.9A11.C6
Gene No.	47296	Strand	-
Start	463	End	806
Name	OJ990505_06.9A11.C6.o1.gs	Method	GENSCAN
Start	463	End	753
GI	none	Score	.52
Exons	463..499, 692..753		

Seq. No.	22749	Seq. ID	OJ990505_06.9A11.C6
Gene No.	47296	Strand	-
Start	463	End	806
Name	OJ990505_06.9A11.C6.o1.gp	Method	AAT/GAP
Start	479	End	806
GI	2508_1.R1084	Score	607
Exons	479..806		
GI Descrip.	'3402817/emb|CAA07704| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	22750	Seq. ID	OJ990505_06.9A11.C9
Gene No.	47297	Strand	-
Start	1095	End	1781
Name	OJ990505_06.9A11.C9.o1.gp	Method	AAT/GAP
Start	1095	End	1633
GI	21272_1.R1084	Score	441
Exons	1095..1310, 1394..1485, 1578..1633		
GI Descrip.	'1076670/pir||S52386 1.0e-50 NADH dehydrogenase (EC 1.6.99.3) - potato >gi_668985_emb_CAA59062_ (X84319) NADH dehydrogenase [Solanum tuberosum]'		

Seq. No.	22750	Seq. ID	OJ990505_06.9A11.C9
Gene No.	47297	Strand	-

Start	1095	End	1781
Name	OJ990505_06.9A11.C9.o1.tc	Method	TBLASTX:Cress
Start	1191	End	1538
GI	none	Score	133
Exons	1191..1310, 1194..1328, 1195..1311, 1385..1489, 1389..1538, 1395..1490		

Seq. No.	22750	Seq. ID	OJ990505_06.9A11.C9
Gene No.	47297	Strand	-
Start	1095	End	1781
Name	OJ990505_06.9A11.C9.o1.ts	Method	TBLASTX:Soybean
Start	1191	End	1538
GI	none	Score	110
Exons	1191..1310, 1194..1328, 1198..1311, 1385..1492, 1388..1483, 1389..1538		

Seq. No.	22750	Seq. ID	OJ990505_06.9A11.C9
Gene No.	47297	Strand	-
Start	1095	End	1781
Name	OJ990505_06.9A11.C9.o1.tm	Method	TBLASTX:Maize
Start	1194	End	1639
GI	none	Score	112
Exons	1194..1310, 1194..1328, 1198..1311, 1385..1489, 1389..1538, 1580..1639		

Seq. No.	22750	Seq. ID	OJ990505_06.9A11.C9
Gene No.	47297	Strand	-
Start	1095	End	1781
Name	OJ990505_06.9A11.C9.o1.gs	Method	GENSCAN
Start	1197	End	1310
GI	none	Score	.96
Exons	1197..1310		

Seq. No.	22750	Seq. ID	OJ990505_06.9A11.C9
Gene No.	47297	Strand	-
Start	1095	End	1781
Name	OJ990505_06.9A11.C9.o1.np	Method	AAT/NAP
Start	1197	End	1781
GI	6226880	Score	325
Exons	1197..1310, 1394..1485, 1578..1781		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 23 KD SUBUNIT PRECURSOR (COMPLEX I-23KD) (CI-23KD) (COMPLEX I-28.5KD) (CI-28.5KD) gi|1076670|pir||S52386 NADH dehydrogenase (EC 1.6.99.3) - potato gi|668985|emb|CAA59062| (X84319) NADH dehydrogenase [Solanum tuberosum]		

Seq. No.	22751	Seq. ID	OJ990505_06.9A11.C10
Gene No.	47298	Strand	-
Start	1	End	712
Name	OJ990505_06.9A11.C10.o1.np	Method	AAT/NAP
Start	1	End	712
GI	4914439	Score	70
Exons	1..57, 452..602, 685..712		
GI Descrip.	(AL050351) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	22751	Seq. ID	OJ990505_06.9A11.C10

Gene No.	47298	Strand	-
Start	1	End	712
Name	OJ990505_06.9A11.C10.o1.tm	Method	TBLASTX:Maize
Start	426	End	587
GI	none	Score	148
Exons	426..587, 450..581, 452..583		

Seq. No.	22752	Seq. ID	OJ990505_06.9A11.C12
Gene No.	47299	Strand	+
Start	1	End	932
Name	OJ990505_06.9A11.C12.o1.np	Method	AAT/NAP
Start	1	End	643
GI	4883612	Score	222
Exons	1..204, 461..643		
GI Descrip.	(AC006922) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22752	Seq. ID	OJ990505_06.9A11.C12
Gene No.	47299	Strand	+
Start	1	End	932
Name	OJ990505_06.9A11.C12.o1.gs	Method	GENSCAN
Start	101	End	919
GI	none	Score	.74
Exons	101..204, 461..699, 792..919		

Seq. No.	22752	Seq. ID	OJ990505_06.9A11.C12
Gene No.	47299	Strand	+
Start	1	End	932
Name	OJ990505_06.9A11.C12.o1.ts	Method	TBLASTX:Soybean
Start	148	End	703
GI	none	Score	74
Exons	148..201, 455..703, 460..585		

Seq. No.	22752	Seq. ID	OJ990505_06.9A11.C12
Gene No.	47299	Strand	+
Start	1	End	932
Name	OJ990505_06.9A11.C12.o1.tm	Method	TBLASTX:Maize
Start	535	End	932
GI	none	Score	247
Exons	535..594, 536..706, 548..706, 550..708, 788..826, 789..818, 810..896, 823..897, 888..932, 903..932		

Seq. No.	22753	Seq. ID	OJ990505_06.9A11.C14
Gene No.	47300	Strand	+
Start	1	End	351
Name	OJ990505_06.9A11.C14.o1.np	Method	AAT/NAP
Start	1	End	342
GI	6561965	Score	268
Exons	1..140, 247..342		
GI Descrip.	(AL132964) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	22753	Seq. ID	OJ990505_06.9A11.C14
Gene No.	47300	Strand	+
Start	1	End	351
Name	OJ990505_06.9A11.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	351
GI	none	Score	36
Exons	1..24, 2..142, 22..141, 23..145, 24..155, 244..351, 244..345,		

245..346

Seq. No.	22754	Seq. ID	OJ990505_06.9A11.C16
Gene No.	47301	Strand	-
Start	1	End	701
Name	OJ990505_06.9A11.C16.o1.gp	Method	AAT/GAP
Start	1	End	77
GI	1278_1.R1084	Score	135
Exons	1..77		
GI Descrip.	'3183079/sp|Q42972|MDHG_ORYSA 1.0e-167 MALATE DEHYDROGENASE, GLYOXYSOMAL PRECURSOR >gi_1375075_dbj_BAA12870.1_ (D85763) glyoxysomal malate dehydrogenase [Oryza sativa]'		

Seq. No.	22754	Seq. ID	OJ990505_06.9A11.C16
Gene No.	47301	Strand	-
Start	1	End	701
Name	OJ990505_06.9A11.C16.o1.np	Method	AAT/NAP
Start	1	End	701
GI	2827078	Score	69
Exons	1..77, 675..701		
GI Descrip.	(AF020270) malate dehydrogenase precursor [Medicago sativa]		

Seq. No.	22754	Seq. ID	OJ990505_06.9A11.C16
Gene No.	47301	Strand	-
Start	1	End	701
Name	OJ990505_06.9A11.C16.o2.gp	Method	AAT/GAP
Start	90	End	459
GI	none	Score	690
Exons	90..459		

Seq. No.	22755	Seq. ID	OJ990505_06.9A11.C17
Gene No.	47302	Strand	+
Start	161	End	816
Name	OJ990505_06.9A11.C17.o1.gs	Method	GENSCAN
Start	161	End	801
GI	none	Score	.67
Exons	161..403, 483..801		

Seq. No.	22755	Seq. ID	OJ990505_06.9A11.C17
Gene No.	47302	Strand	+
Start	161	End	816
Name	OJ990505_06.9A11.C17.o1.gp	Method	AAT/GAP
Start	331	End	816
GI	LIB3434-038-P1-K1-A5	Score	747
Exons	331..403, 483..816		
GI Descrip.	'4883612/gb|AAD31581.1|AC006922_13 6.0e-11 (AC006922) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	22755	Seq. ID	OJ990505_06.9A11.C17
Gene No.	47302	Strand	+
Start	161	End	816
Name	OJ990505_06.9A11.C17.o1.np	Method	AAT/NAP
Start	506	End	816
GI	4883612	Score	97
Exons	506..816		
GI Descrip.	(AC006922) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22756	Seq. ID	OJ990505_06.9A11.C18
Gene No.	47303	Strand	+
Start	1	End	423
Name	OJ990505_06.9A11.C18.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	73153_1.R1084	Score	565
Exons	1..312		
GI Descrip.	'3540181 2.0e-31 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	22756	Seq. ID	OJ990505_06.9A11.C18
Gene No.	47303	Strand	+
Start	1	End	423
Name	OJ990505_06.9A11.C18.o1.np	Method	AAT/NAP
Start	1	End	411
GI	3540181	Score	286
Exons	1..411		
GI Descrip.	(AC004122) Unknown protein [Arabidopsis thaliana]		

Seq. No.	22756	Seq. ID	OJ990505_06.9A11.C18
Gene No.	47303	Strand	+
Start	1	End	423
Name	OJ990505_06.9A11.C18.o1.gs	Method	GENSCAN
Start	70	End	423
GI	none	Score	.63
Exons	70..423		

Seq. No.	22756	Seq. ID	OJ990505_06.9A11.C18
Gene No.	47304	Strand	-
Start	1237	End	1548
Name	OJ990505_06.9A11.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	393
GI	none	Score	43
Exons	1..33, 31..120, 33..119, 211..393, 213..392, 241..393		

Seq. No.	22756	Seq. ID	OJ990505_06.9A11.C18
Gene No.	47304	Strand	-
Start	1237	End	1548
Name	OJ990505_06.9A11.C18.o2.tm	Method	TBLASTX:Maize
Start	1	End	195
GI	none	Score	91
Exons	1..96, 6..86, 54..191, 55..195		

Seq. No.	22756	Seq. ID	OJ990505_06.9A11.C18
Gene No.	47304	Strand	-
Start	1237	End	1548
Name	OJ990505_06.9A11.C18.o1.tm	Method	TBLASTX:Maize
Start	204	End	424
GI	none	Score	66
Exons	204..263, 205..414, 207..422, 235..423, 353..424		

Seq. No.	22756	Seq. ID	OJ990505_06.9A11.C18
Gene No.	47304	Strand	-
Start	1237	End	1548
Name	OJ990505_06.9A11.C18.o2.gs	Method	GENSCAN
Start	1237	End	1548
GI	none	Score	.46

Exons	1237..1548		

Seq. No.	22757	Seq. ID	OJ990505_06.9A11.C19
Gene No.	47305	Strand	+
Start	1	End	848
Name	OJ990505_06.9A11.C19.o1.np	Method	AAT/NAP
Start	1	End	644
GI	5103727	Score	426
Exons	1..269, 384..644		
GI Descrip.	(AB028884) knotted1-type homeobox protein OSH43 [Oryza sativa]		

Seq. No.	22757	Seq. ID	OJ990505_06.9A11.C19
Gene No.	47305	Strand	+
Start	1	End	848
Name	OJ990505_06.9A11.C19.o1.gp	Method	AAT/GAP
Start	225	End	846
GI	137_1.R1084	Score	756
Exons	225..269, 384..846		
GI Descrip.	'2832408/emb|CAA74605| 4.0e-33 (Y14209) R2R3-MYB transcription factor [Arabidopsis thaliana]'		

Seq. No.	22757	Seq. ID	OJ990505_06.9A11.C19
Gene No.	47305	Strand	+
Start	1	End	848
Name	OJ990505_06.9A11.C19.o2.gp	Method	AAT/GAP
Start	225	End	848
GI	137_1.R1084	Score	754
Exons	225..269, 384..848		
GI Descrip.	'2832408/emb|CAA74605| 4.0e-33 (Y14209) R2R3-MYB transcription factor [Arabidopsis thaliana]'		

Seq. No.	22757	Seq. ID	OJ990505_06.9A11.C19
Gene No.	47305	Strand	+
Start	1	End	848
Name	OJ990505_06.9A11.C19.o1.gs	Method	GENSCAN
Start	396	End	647
GI	none	Score	.52
Exons	396..647		

Seq. No.	22757	Seq. ID	OJ990505_06.9A11.C19
Gene No.	47306	Strand	-
Start	1129	End	4373
Name	OJ990505_06.9A11.C19.o1.tm	Method	TBLASTX:Maize
Start	225	End	650
GI	none	Score	64
Exons	225..269, 381..482, 386..478, 437..487, 606..638, 609..650		

Seq. No.	22757	Seq. ID	OJ990505_06.9A11.C19
Gene No.	47306	Strand	-
Start	1129	End	4373
Name	OJ990505_06.9A11.C19.o2.gs	Method	GENSCAN
Start	1129	End	4373
GI	none	Score	.41
Exons	1129..1272, 3859..4009, 4314..4373		

Seq. No.	22758	Seq. ID	OJ990505_06.9A11.C20
Gene No.	47307	Strand	+

Start	1120	End	1411
Name	OJ990505_06.9A11.C20.o1.gp	Method	AAT/GAP
Start	1120	End	1411
GI	none	Score	584
Exons	1120..1411		

Seq. No.	22758	Seq. ID	OJ990505_06.9A11.C20
Gene No.	47308	Strand	-
Start	45	End	3503
Name	OJ990505_06.9A11.C20.o1.gs	Method	GENSCAN
Start	45	End	3503
GI	none	Score	.51
Exons	45..161, 510..637, 1807..1846, 2775..2846, 3094..3319, 3346..3503		

Seq. No.	22758	Seq. ID	OJ990505_06.9A11.C20
Gene No.	47308	Strand	-
Start	45	End	3503
Name	OJ990505_06.9A11.C20.o2.gp	Method	AAT/GAP
Start	2093	End	3160
GI	none	Score	2097
Exons	2093..3160		

Seq. No.	22758	Seq. ID	OJ990505_06.9A11.C20
Gene No.	47308	Strand	-
Start	45	End	3503
Name	OJ990505_06.9A11.C20.o3.gp	Method	AAT/GAP
Start	3039	End	3395
GI	none	Score	575
Exons	3039..3395		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47309	Strand	+
Start	6998	End	9012
Name	OJ990505_06.9A11.C21.o1.np	Method	AAT/NAP
Start	6998	End	9012
GI	3236253	Score	1772
Exons	6998..9012		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47310	Strand	+
Start	16233	End	18066
Name	OJ990505_06.9A11.C21.o2.gp	Method	AAT/GAP
Start	16169	End	18066
GI	2508_1.R1084	Score	1183
Exons	16169..16344, 16457..16563, 16646..16688, 17749..18066		
GI Descrip.	'3402817/emb|CAA07704| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47310	Strand	+
Start	16233	End	18066
Name	OJ990505_06.9A11.C21.o3.gs	Method	GENSCAN
Start	16233	End	17783
GI	none	Score	.98

Exons	16233..16344, 16457..16563, 16646..16688, 17749..17783		
Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47310	Strand	+
Start	16233	End	18066
Name	OJ990505_06.9A11.C21.o3.np	Method	AAT/NAP
Start	16233	End	17789
GI	4490728	Score	227
Exons	16233..16344, 16457..16563, 16646..16688, 17749..17789		
GI Descrip.	(AL035709) putative protein [Arabidopsis thaliana]		
Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47311	Strand	-
Start	2857	End	3244
Name	OJ990505_06.9A11.C21.o1.gp	Method	AAT/GAP
Start	2857	End	3244
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	2857..2922, 3222..3244		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47312	Strand	-
Start	11113	End	13781
Name	OJ990505_06.9A11.C21.o2.np	Method	AAT/NAP
Start	11113	End	13781
GI	3236253	Score	1468
Exons	11113..11206, 11822..13781		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47312	Strand	-
Start	11113	End	13781
Name	OJ990505_06.9A11.C21.o2.gs	Method	GENSCAN
Start	11741	End	13775
GI	none	Score	.87
Exons	11741..12282, 12454..13189, 13287..13775		
Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o4.tm	Method	TBLASTX:Maize
Start	7022	End	13691
GI	none	Score	169
Exons	7022..7159, 7067..7216, 7237..7323, 7238..7333, 7333..7446, 7334..7444, 13345..13530, 13377..13511, 13599..13691		
Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o2.ts	Method	TBLASTX:Soybean
Start	7082	End	13712
GI	none	Score	85
Exons	7082..7213, 7243..7527, 7247..7528, 7523..7627, 13142..13186, 13239..13370, 13240..13359, 13572..13595, 13599..13712		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o1.tc	Method	TBLASTX:Cress
Start	7106	End	13670
GI	none	Score	78
Exons	7106..7213, 7241..7333, 7352..7537, 7526..7885, 7555..7779, 7936..8271, 7936..8277, 7949..8302, 8300..8554, 8318..8611, 8419..8601, 8536..8679, 8647..8895, 8772..8882, 11918..12088, 11921..12094, 12116..12667, 12123..12821, 12716..12853, 12938..13087, 12939..13085, 13100..13195, 13104..13211, 13212..13388, 13213..13362, 13377..13511, 13381..13413, 13569..13595, 13596..13670		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o2.tm	Method	TBLASTX:Maize
Start	7447	End	13322
GI	none	Score	430
Exons	7447..7779, 7448..7855, 7758..7808, 7763..7831, 7843..7878, 12938..13087, 12939..13088, 13100..13195, 13100..13195, 13242..13322		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o3.tw	Method	TBLASTX:Wheat
Start	7447	End	13323
GI	none	Score	263
Exons	7447..7689, 7448..7690, 13100..13195, 13101..13205, 13233..13322, 13234..13323		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o2.tw	Method	TBLASTX:Wheat
Start	7690	End	13082
GI	none	Score	269
Exons	7690..7779, 7697..7975, 7755..7913, 7840..7974, 7960..8013, 7962..8018, 7979..8020, 12740..12781, 12912..13082, 12938..13078		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o1.ts	Method	TBLASTX:Soybean
Start	8021	End	12739
GI	none	Score	368
Exons	8021..8302, 8023..8277, 8303..8533, 8372..8527, 8422..8532, 12230..12667, 12231..12737, 12325..12678, 12716..12739		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o1.tw	Method	TBLASTX:Wheat
Start	8045	End	12713

GI	none	Score	238
Exons	8045..8317, 8047..8277, 8141..8329, 8321..8476, 12287..12661, 12288..12713		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o1.tm	Method	TBLASTX:Maize
Start	8073	End	12683
GI	none	Score	149
Exons	8073..8294, 8074..8277, 8075..8320, 8078..8314, 8291..8611, 8297..8596, 8311..8598, 8536..8649, 8577..8648, 12116..12442, 12120..12452, 12455..12667, 12459..12683		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o5.tw	Method	TBLASTX:Wheat
Start	8483	End	12280
GI	none	Score	81
Exons	8483..8596, 8665..8853, 11927..12280		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o3.ts	Method	TBLASTX:Soybean
Start	8548	End	12214
GI	none	Score	234
Exons	8548..8865, 8601..8864, 11924..12094, 12104..12214		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o3.tm	Method	TBLASTX:Maize
Start	8650	End	12091
GI	none	Score	418
Exons	8650..9006, 8652..8954, 8949..9014, 11900..12091, 11921..12091		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o4.tw	Method	TBLASTX:Wheat
Start	16194	End	16690
GI	none	Score	38
Exons	16194..16220, 16231..16317, 16232..16318, 16389..16460, 16451..16474, 16453..16563, 16456..16518, 16458..16562, 16505..16564, 16644..16688, 16646..16690, 16651..16689		

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o5.tm	Method	TBLASTX:Maize
Start	16231	End	17946
GI	none	Score	80
Exons	16231..16281, 16232..16300, 16453..16563, 16456..16518, 16458..16562, 16628..16687, 16644..16688, 16644..16688, 16645..16689, 16646..16690, 17729..17779, 17739..17780,		

17821..17880, 17859..17939, 17883..17945, 17887..17946

Seq. No.	22759	Seq. ID	OJ990505_06.9A11.C21
Gene No.	47313	Strand	-
Start	18430	End	19152
Name	OJ990505_06.9A11.C21.o4.gs	Method	GENSCAN
Start	18430	End	19152
GI	none	Score	1
Exons	18430..19152		

Seq. No.	22760	Seq. ID	OJ990505_06.9A11.C22
Gene No.	47314	Strand	-
Start	433	End	1650
Name	OJ990505_06.9A11.C22.o1.gs	Method	GENSCAN
Start	433	End	1650
GI	none	Score	.57
Exons	433..474, 1576..1650		

Seq. No.	22761	Seq. ID	OJ990505_06.9A11.C23
Gene No.	47315	Strand	+
Start	1835	End	2116
Name	OJ990505_06.9A11.C23.o1.gs	Method	GENSCAN
Start	1835	End	2116
GI	none	Score	.87
Exons	1835..1969, 1994..2116		

Seq. No.	22762	Seq. ID	OJ990505_06.9A11.C24
Gene No.	47316	Strand	+
Start	65	End	1405
Name	OJ990505_06.9A11.C24.o1.gs	Method	GENSCAN
Start	65	End	1405
GI	none	Score	.82
Exons	65..317, 1044..1182, 1300..1405		

Seq. No.	22762	Seq. ID	OJ990505_06.9A11.C24
Gene No.	47317	Strand	+
Start	1612	End	1924
Name	OJ990505_06.9A11.C24.o1.np	Method	AAT/NAP
Start	1612	End	1924
GI	2197016	Score	164
Exons	1612..1924		
GI Descrip.	(U96632) D1 protein, photosystem II [Ludisia discolor]		

Seq. No.	22762	Seq. ID	OJ990505_06.9A11.C24
Gene No.	47318	Strand	-
Start	2490	End	2899
Name	OJ990505_06.9A11.C24.o1.tm	Method	TBLASTX:Maize
Start	1652	End	1917
GI	none	Score	56
Exons	1652..1708, 1653..1709, 1713..1808, 1718..1810, 1750..1824, 1802..1888, 1804..1890, 1891..1917		

Seq. No.	22762	Seq. ID	OJ990505_06.9A11.C24
Gene No.	47318	Strand	-
Start	2490	End	2899
Name	OJ990505_06.9A11.C24.o2.gs	Method	GENSCAN
Start	2490	End	2899

GI	none	Score	.96
Exons	2490..2669, 2762..2899		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o1.np	Method	AAT/NAP
Start	1	End	3762
GI	4883612	Score	543
Exons	1..64, 321..421, 482..648, 847..1123, 1218..1302, 1839..1948, 3421..3468, 3568..3762		
GI Descrip.	(AC006922) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o1.gs	Method	GENSCAN
Start	321	End	11364
GI	none	Score	.85
Exons	321..424, 508..666, 847..1031, 1839..1948, 3421..3497, 3568..3708, 3875..3989, 6042..6141, 6401..6495, 7349..7893, 8032..8054, 9809..11364		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o1.tm	Method	TBLASTX:Maize
Start	586	End	1907
GI	none	Score	100
Exons	586..669, 586..642, 587..667, 811..915, 844..912, 845..916, 846..914, 912..1076, 914..1123, 923..1123, 1018..1140, 1218..1301, 1219..1302, 1836..1907, 1836..1898, 1838..1906		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o1.gp	Method	AAT/GAP
Start	4820	End	6494
GI	2442935	Score	616
Exons	4820..5003, 6042..6141, 6401..6494		
GI Descrip.	730461/sp|P41057|R29A_YEAST 3.0e-17 40S RIBOSOMAL PROTEIN YS29A >gi_626904_pir__S48503 ribosomal protein S29.e.A, cytosolic - yeast (Saccharomyces cerevisiae) >gi_287628_dbj_BAA03507_ (D14676) ribosomal protein YS29 [Saccharomyces cerevisiae] >gi_625108 (U19729) Ylr388wp [Saccharomyces cerevisiae]		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o2.np	Method	AAT/NAP
Start	5207	End	6483
GI	1750404	Score	162
Exons	5207..5271, 6026..6141, 6401..6483		
GI Descrip.	(U80953) Similar to 40S ribosomal protein S29; coded for by C. elegans cDNA cm10c2; coded for by C. elegans cDNA yk61d8.5; coded for by C. elegans cDNA yk107e8.5; coded for by C. elegans cDNA CEESF55F; coded for by C. elegans cDNA yk107e8.3;...		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o1.tw	Method	TBLASTX:Wheat
Start	6032	End	6477
GI	none	Score	171
Exons	6032..6142, 6039..6140, 6043..6141, 6401..6475, 6403..6477		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o2.ts	Method	TBLASTX:Soybean
Start	6042	End	6465
GI	none	Score	115
Exons	6042..6128, 6042..6140, 6043..6141, 6046..6141, 6401..6463, 6406..6465		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o4.tm	Method	TBLASTX:Maize
Start	6042	End	6171
GI	none	Score	135
Exons	6042..6128, 6042..6146, 6043..6171		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o3.np	Method	AAT/NAP
Start	6172	End	12485
GI	4544402	Score	873
Exons	6172..6245, 7328..7887, 8603..8793, 9809..10315, 10358..11101, 12391..12485		
GI Descrip.	(AC007047) putative LRR receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o1.ts	Method	TBLASTX:Soybean
Start	7481	End	10230
GI	none	Score	160
Exons	7481..7882, 7566..7862, 8715..8795, 8715..8795, 8725..8796, 8729..8809, 8729..8803, 9808..9834, 9823..9909, 9836..9904, 9934..10008, 9935..10009, 9988..10065, 10090..10230, 10121..10216		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o3.tm	Method	TBLASTX:Maize
Start	7781	End	9991
GI	none	Score	151
Exons	7781..7903, 7782..7895, 7783..7899, 8639..8800, 8663..8794, 8664..8795, 8665..8796, 9804..9986, 9808..9990, 9809..9991, 9815..9991		

Seq. No.	22763	Seq. ID	OJ990505_06.9A11.C25
Gene No.	47319	Strand	-
Start	1	End	12485
Name	OJ990505_06.9A11.C25.o2.tm	Method	TBLASTX:Maize
Start	10051	End	10498
GI	none	Score	148
Exons	10051..10287, 10075..10242, 10118..10288, 10264..10398, 10278..10484, 10280..10498, 10428..10484		

Seq. No.	22764	Seq. ID	OJ990505_06.9A11.C26
Gene No.	47320	Strand	+
Start	2791	End	7759
Name	OJ990505_06.9A11.C26.o2.gs	Method	GENSCAN
Start	2791	End	7759
GI	none	Score	.53
Exons	2791..2815, 2873..2995, 3837..3914, 4608..4630, 6016..6208, 7437..7516, 7741..7759		

Seq. No.	22764	Seq. ID	OJ990505_06.9A11.C26
Gene No.	47321	Strand	-
Start	632	End	1263
Name	OJ990505_06.9A11.C26.o1.gs	Method	GENSCAN
Start	632	End	1263
GI	none	Score	.66
Exons	632..747, 813..937, 1091..1263		

Seq. No.	22765	Seq. ID	OJ990505_06.9A11.C27
Gene No.	47322	Strand	+
Start	100	End	1180
Name	OJ990505_06.9A11.C27.o1.gs	Method	GENSCAN
Start	100	End	1180
GI	none	Score	.66
Exons	100..473, 775..859, 983..1180		

Seq. No.	22765	Seq. ID	OJ990505_06.9A11.C27
Gene No.	47323	Strand	-
Start	1598	End	1981
Name	OJ990505_06.9A11.C27.o2.gs	Method	GENSCAN
Start	1598	End	1981
GI	none	Score	.97
Exons	1598..1981		

Seq. No.	22765	Seq. ID	OJ990505_06.9A11.C27
Gene No.	47324	Strand	-
Start	6013	End	6207
Name	OJ990505_06.9A11.C27.o3.gs	Method	GENSCAN
Start	6013	End	6207
GI	none	Score	.53
Exons	6013..6207		

Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47325	Strand	+
Start	43	End	9163
Name	OJ990505_06.9A11.C28.o1.gs	Method	GENSCAN
Start	43	End	9163
GI	none	Score	.75

Exons	43..90, 217..294, 406..522, 1922..2007, 2701..2845, 2952..3047, 3518..3609, 3881..3982, 4076..4222, 4301..4451, 4603..4665, 4755..4991, 5266..5370, 5448..5561, 5644..6222, 6932..7097, 8257..8403, 8928..9163		
Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47325	Strand	+
Start	43	End	9163
Name	OJ990505_06.9A11.C28.o1.np	Method	AAT/NAP
Start	43	End	8561
GI	6561965	Score	1840
Exons	43..90, 217..294, 406..522, 1922..2007, 2701..2845, 2952..3047, 3518..3609, 3881..3982, 4076..4222, 4301..4451, 4603..4665, 4755..4994, 5278..5370, 5448..5561, 5644..6081, 8476..8561		
GI Descrip.	(AL132964) kinesin-like protein [Arabidopsis thaliana]		
Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47326	Strand	+
Start	14524	End	15109
Name	OJ990505_06.9A11.C28.o3.gs	Method	GENSCAN
Start	14524	End	15089
GI	none	Score	.78
Exons	14524..15089		
Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47326	Strand	+
Start	14524	End	15109
Name	OJ990505_06.9A11.C28.o2.np	Method	AAT/NAP
Start	14530	End	15109
GI	2827715	Score	352
Exons	14530..15109		
GI Descrip.	(AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		
Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47327	Strand	-
Start	10433	End	12811
Name	OJ990505_06.9A11.C28.o2.tm	Method	TBLASTX:Maize
Start	418	End	3592
GI	none	Score	165
Exons	418..522, 418..522, 1920..2006, 1921..2007, 1921..2007, 2675..2860, 2678..2845, 2698..2850, 2949..3056, 2949..3050, 3512..3592, 3518..3592		
Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47327	Strand	-
Start	10433	End	12811
Name	OJ990505_06.9A11.C28.o1.ts	Method	TBLASTX:Soybean
Start	3933	End	4439
GI	none	Score	46
Exons	3933..3980, 4074..4193, 4299..4439		
Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47327	Strand	-
Start	10433	End	12811
Name	OJ990505_06.9A11.C28.o1.tm	Method	TBLASTX:Maize
Start	4603	End	5342

GI	none	Score	95
Exons	4603..4668, 4603..4668, 4604..4669, 4740..4826, 4753..4824, 4821..4994, 4821..4994, 5241..5342, 5262..5333, 5263..5340		

Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47327	Strand	-
Start	10433	End	12811
Name	OJ990505_06.9A11.C28.o3.tm	Method	TBLASTX:Maize
Start	5969	End	6120
GI	none	Score	217
Exons	5969..6112, 5971..6120, 5973..6119		

Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47327	Strand	-
Start	10433	End	12811
Name	OJ990505_06.9A11.C28.o2.gs	Method	GENSCAN
Start	10433	End	12811
GI	none	Score	.43
Exons	10433..10588, 10686..10733, 11640..11745, 12597..12811		

Seq. No.	22766	Seq. ID	OJ990505_06.9A11.C28
Gene No.	47328	Strand	
Start	14727	End	15086
Name	OJ990505_06.9A11.C28.o1.tc	Method	TBLASTX:Cress
Start	14727	End	15086
GI	none	Score	173
Exons	14727..14858, 14740..14931, 14749..14865, 14889..14924, 14974..15084, 14980..15081, 14983..15081, 15027..15086		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47329	Strand	+
Start	1	End	2401
Name	OJ990505_06.9A11.C29.o1.np	Method	AAT/NAP
Start	1	End	2398
GI	2827715	Score	2813
Exons	1..1684, 1917..2270, 2343..2398		
GI Descrip.	(AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47329	Strand	+
Start	1	End	2401
Name	OJ990505_06.9A11.C29.o1.gs	Method	GENSCAN
Start	49	End	2401
GI	none	Score	.94
Exons	49..1684, 1917..2401		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47329	Strand	+
Start	1	End	2401
Name	OJ990505_06.9A11.C29.o1.gp	Method	AAT/GAP
Start	53	End	422
GI	27924_1.R1084	Score	720
Exons	53..422		
GI Descrip.	'2827715/emb|CAA16688| 2.0e-43 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47329	Strand	+
Start	1	End	2401
Name	OJ990505_06.9A11.C29.o2.gp	Method	AAT/GAP
Start	697	End	1240
GI	uC-osflM202068e05b1	Score	1053
Exons	697..1240		
GI Descrip.	'2827715/emb|CAA16688| 5.0e-64 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47330	Strand	+
Start	2420	End	2874
Name	OJ990505_06.9A11.C29.o3.gp	Method	AAT/GAP
Start	2420	End	2874
GI	uC-osflcyp030f12b1	Score	902
Exons	2420..2874		
GI Descrip.	'3540181 4.0e-12 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o3.ts	Method	TBLASTX:Soybean
Start	10	End	684
GI	none	Score	559
Exons	10..120, 55..684, 55..360, 91..426, 186..425, 265..426, 439..654, 448..684, 451..684, 454..645, 478..684, 540..662, 549..683, 568..681		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o1.tc	Method	TBLASTX:Cress
Start	55	End	2227
GI	none	Score	51
Exons	55..138, 55..438, 55..426, 55..360, 55..426, 91..438, 115..438, 184..390, 193..333, 195..425, 211..426, 409..672, 448..801, 451..732, 451..573, 451..867, 454..942, 463..861, 468..581, 550..744, 550..861, 670..861, 687..860, 739..861, 777..905, 1012..1281, 1083..1274, 1284..1709, 1285..1683, 1379..1693, 1883..2050, 1889..2029, 1912..2070, 2050..2223, 2078..2227		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o2.tm	Method	TBLASTX:Maize
Start	55	End	1062
GI	none	Score	124
Exons	55..354, 454..717, 460..789, 520..1062, 520..1053		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o5.tw	Method	TBLASTX:Wheat
Start	271	End	861
GI	none	Score	79

Exons	271..417, 520..846, 595..861		
Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o1.ts	Method	TBLASTX:Soybean
Start	685	End	2317
GI	none	Score	373
Exons	685..957, 687..956, 805..978, 991..1683, 1005..1682, 1582..1683, 1886..2317, 1912..2226		
Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o1.tm	Method	TBLASTX:Maize
Start	1062	End	1990
GI	none	Score	964
Exons	1062..1682, 1063..1683, 1065..1706, 1181..1729, 1886..1990, 1891..1989		
Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o1.tw	Method	TBLASTX:Wheat
Start	1264	End	1587
GI	none	Score	337
Exons	1264..1587, 1266..1586		
Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o4.tm	Method	TBLASTX:Maize
Start	2011	End	2533
GI	none	Score	328
Exons	2011..2277, 2012..2227, 2237..2407, 2242..2406, 2504..2533		
Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o3.tw	Method	TBLASTX:Wheat
Start	2111	End	2412
GI	none	Score	181
Exons	2111..2242, 2120..2242, 2122..2253, 2246..2410, 2314..2355, 2341..2412, 2344..2397		
Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o2.gs	Method	GENSCAN
Start	3961	End	9778
GI	none	Score	.83
Exons	3961..3970, 5201..5290, 6585..6653, 6762..6856, 6940..7029, 7780..7863, 7964..8053, 8167..8481, 9416..9625, 9707..9778		
Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946

Name	OJ990505_06.9A11.C29.o3.np	Method	AAT/NAP
Start	5219	End	9946
GI	3063699	Score	96
Exons	5219..5293, 9723..9946		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o4.gp	Method	AAT/GAP
Start	6386	End	9850
GI	1278_1.R1084	Score	2433
Exons	6386..6653, 6762..6856, 6940..7029, 7105..7140, 7780..7863, 7964..8053, 8167..8481, 9416..9625, 9707..9850		
GI Descrip.	'3183079/sp|Q42972|MDHG_ORYSA 1.0e-167 MALATE DEHYDROGENASE, GLYOXYSOMAL PRECURSOR >gi_1375075_dbj_BAA12870.1_ (D85763) glyoxysomal malate dehydrogenase [Oryza sativa]'		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o2.tc	Method	TBLASTX:Cress
Start	6531	End	9763
GI	none	Score	80
Exons	6531..6659, 6581..6661, 6761..6874, 6762..6857, 6937..7035, 6938..7030, 7081..7149, 7106..7153, 7774..7878, 7781..7879, 7961..8053, 7962..8054, 8155..8481, 8156..8482, 9413..9598, 9414..9596, 9722..9763		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o3.tm	Method	TBLASTX:Maize
Start	6567	End	9613
GI	none	Score	35
Exons	6567..6593, 6588..6659, 6591..6659, 6761..6856, 6762..6860, 6937..7035, 6938..7024, 6938..7039, 7081..7149, 7106..7153, 7690..7866, 7774..7878, 7781..7879, 7961..8050, 7962..8051, 8156..8506, 8167..8481, 9413..9613, 9414..9593		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o2.ts	Method	TBLASTX:Soybean
Start	6575	End	9626
GI	none	Score	97
Exons	6575..6661, 6761..6856, 6762..6857, 6937..7035, 6938..7036, 7105..7149, 7106..7153, 7774..7878, 7781..7858, 7961..8053, 7968..8054, 8155..8481, 8156..8482, 9413..9604, 9414..9626		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o2.np	Method	AAT/NAP
Start	6584	End	9781
GI	3183079	Score	1228
Exons	6584..6653, 6762..6856, 6940..7029, 7105..7140, 7780..7863,		

	7964..8053, 8167..8481, 9416..9638, 9723..9781
GI Descrip.	MALATE DEHYDROGENASE, GLYOXYSOMAL PRECURSOR gi|1375075|dbj|BAA12870.1| (D85763) glyoxysomal malate dehydrogenase [Oryza sativa]

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o4.tw	Method	TBLASTX:Wheat
Start	6587	End	7140
GI	none	Score	55
Exons	6587..6658, 6761..6856, 6783..6857, 6937..7035, 6938..7036, 7105..7140, 7106..7138		

Seq. No.	22767	Seq. ID	OJ990505_06.9A11.C29
Gene No.	47331	Strand	-
Start	3961	End	9946
Name	OJ990505_06.9A11.C29.o2.tw	Method	TBLASTX:Wheat
Start	8337	End	9614
GI	none	Score	201
Exons	8337..8471, 8338..8481, 8342..8482, 9406..9441, 9413..9613, 9414..9614		

Seq. No.	22768	Seq. ID	OJ990505_06.9A11.C30
Gene No.	47332	Strand	-
Start	1028	End	1676
Name	OJ990505_06.9A11.C30.o1.gp	Method	AAT/GAP
Start	734	End	1251
GI	37356_1.R1084	Score	785
Exons	734..1123, 1205..1251		
GI Descrip.	'3929358/sp|O24143|NUIM_TOBAC 1.0e-13 NADH-UBIQUINONE OXIDOREDUCTASE 23 KD SUBUNIT PRECURSOR (COMPLEX I-23KD) (CI-23KD) >gi_1666177_emb_CAA70326_ (Y09109) NADH dehydrogenase [Nicotiana tabacum]'		

Seq. No.	22768	Seq. ID	OJ990505_06.9A11.C30
Gene No.	47332	Strand	-
Start	1028	End	1676
Name	OJ990505_06.9A11.C30.o1.tm	Method	TBLASTX:Maize
Start	897	End	1495
GI	none	Score	71
Exons	897..935, 913..936, 932..997, 934..996, 939..998, 945..998, 1019..1126, 1024..1137, 1203..1319, 1205..1318, 1247..1318, 1423..1488, 1429..1488, 1442..1495		

Seq. No.	22768	Seq. ID	OJ990505_06.9A11.C30
Gene No.	47332	Strand	-
Start	1028	End	1676
Name	OJ990505_06.9A11.C30.o1.tc	Method	TBLASTX:Cress
Start	1019	End	1495
GI	none	Score	65
Exons	1019..1126, 1030..1143, 1203..1319, 1205..1318, 1247..1318, 1418..1489, 1442..1495		

Seq. No.	22768	Seq. ID	OJ990505_06.9A11.C30
Gene No.	47332	Strand	-
Start	1028	End	1676

Name	OJ990505_06.9A11.C30.o1.gs	Method	GENSCAN
Start	1028	End	1489
GI	none	Score	.94
Exons	1028..1123, 1205..1316, 1422..1489		

Seq. No.	22768	Seq. ID	OJ990505_06.9A11.C30
Gene No.	47332	Strand	-
Start	1028	End	1676
Name	OJ990505_06.9A11.C30.o1.np	Method	AAT/NAP
Start	1031	End	1676
GI	6226880	Score	393
Exons	1031..1123, 1205..1316, 1422..1489, 1645..1676		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 23 KD SUBUNIT PRECURSOR (COMPLEX I-23KD) (CI-23KD) (COMPLEX I-28.5KD) (CI-28.5KD) gi|1076670|pir||S52386 NADH dehydrogenase (EC 1.6.99.3) - potato gi|668985|emb|CAA59062| (X84319) NADH dehydrogenase [Solanum tuberosum]		

Seq. No.	22768	Seq. ID	OJ990505_06.9A11.C30
Gene No.	47332	Strand	-
Start	1028	End	1676
Name	OJ990505_06.9A11.C30.o2.gp	Method	AAT/GAP
Start	1285	End	1489
GI	21272_1.R1084	Score	159
Exons	1285..1316, 1422..1489		
GI Descrip.	'1076670/pir||S52386 1.0e-50 NADH dehydrogenase (EC 1.6.99.3) - potato >gi_668985_emb_CAA59062_ (X84319) NADH dehydrogenase [Solanum tuberosum]'		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47333	Strand	+
Start	1246	End	2389
Name	OJ990715_06.9A01.C1.o1.gs	Method	GENSCAN
Start	1246	End	2389
GI	none	Score	.81
Exons	1246..1369, 1551..2389		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47333	Strand	+
Start	1246	End	2389
Name	OJ990715_06.9A01.C1.o1.gp	Method	AAT/GAP
Start	1460	End	1957
GI	111_9.R1084	Score	942
Exons	1460..1957		
GI Descrip.	'4884524/dbj|BAA77780.1| 5.0e-64 (AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]'		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47334	Strand	+
Start	4546	End	7090
Name	OJ990715_06.9A01.C1.o3.gp	Method	AAT/GAP
Start	4432	End	5595
GI	111_3.R1084	Score	2218
Exons	4432..5595		
GI Descrip.	'2696221/dbj|BAA23806| 1.0e-163 (D55708) chitinase [Oryza sativa]'		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47334	Strand	+
Start	4546	End	7090
Name	OJ990715_06.9A01.C1.o1.np	Method	AAT/NAP
Start	4546	End	5421
GI	2696221	Score	1513
Exons	4546..5421		
GI Descrip.	(D55708) chitinase [Oryza sativa]		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47334	Strand	+
Start	4546	End	7090
Name	OJ990715_06.9A01.C1.o2.gs	Method	GENSCAN
Start	4546	End	7090
GI	none	Score	.51
Exons	4546..5307, 5760..5837, 5953..6149, 6729..6791, 7024..7090		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47335	Strand	+
Start	7380	End	8473
Name	OJ990715_06.9A01.C1.o4.gp	Method	AAT/GAP
Start	7313	End	8473
GI	111_4.R1084	Score	2302
Exons	7313..8473		
GI Descrip.	'2696225/dbj|BAA23808| 1.0e-165 (D55710) chitinase [Oryza sativa]'		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47335	Strand	+
Start	7380	End	8473
Name	OJ990715_06.9A01.C1.o2.np	Method	AAT/NAP
Start	7380	End	8246
GI	2696225	Score	1537
Exons	7380..8246		
GI Descrip.	(D55710) chitinase [Oryza sativa]		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47335	Strand	+
Start	7380	End	8473
Name	OJ990715_06.9A01.C1.o3.gs	Method	GENSCAN
Start	7380	End	8249
GI	none	Score	1
Exons	7380..8249		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47336	Strand	+
Start	10985	End	11357
Name	OJ990715_06.9A01.C1.o3.np	Method	AAT/NAP
Start	10985	End	11357
GI	4884522	Score	478
Exons	10985..11357		
GI Descrip.	(AB027426) class III chitinase homologue (OsChib3H-g) [Oryza sativa]		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47337	Strand	-
Start	2069	End	11443

Name	OJ990715_06.9A01.C1.o1.tw	Method	TBLASTX:Wheat
Start	1615	End	11281
GI	none	Score	120
Exons	1615..1713, 1616..1714, 1715..1819, 1729..1818, 4591..4689, 4620..4748, 4636..4749, 4750..4854, 4764..4853, 7466..7573, 7467..7574, 7575..7679, 7619..7675, 11039..11170, 11044..11169, 11179..11277, 11180..11281		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47337	Strand	-
Start	2069	End	11443
Name	OJ990715_06.9A01.C1.o2.tm	Method	TBLASTX:Maize
Start	1615	End	11347
GI	none	Score	151
Exons	1615..1719, 1616..1720, 1712..1819, 1723..1818, 1820..1885, 4621..4686, 4638..4754, 4639..4755, 4747..4854, 4758..4853, 4855..4920, 7449..7580, 7457..7573, 7572..7679, 7619..7675, 7680..7745, 11059..11169, 11060..11281, 11191..11277, 11282..11347		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47337	Strand	-
Start	2069	End	11443
Name	OJ990715_06.9A01.C1.o1.tc	Method	TBLASTX:Cress
Start	1616	End	11443
GI	none	Score	97
Exons	1616..1723, 1763..1903, 1937..2026, 2183..2251, 4635..4754, 4639..4758, 4797..4937, 4798..4956, 4956..4994, 4957..5046, 5047..5166, 5209..5409, 7449..7583, 7623..7766, 7770..7898, 7884..8006, 8034..8105, 8115..8231, 11045..11170, 11225..11347, 11396..11443		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47337	Strand	-
Start	2069	End	11443
Name	OJ990715_06.9A01.C1.o1.ts	Method	TBLASTX:Soybean
Start	1616	End	11431
GI	none	Score	100
Exons	1616..1723, 1618..1719, 1733..1903, 1768..1884, 1946..2026, 4651..4758, 4768..4956, 4803..4937, 4960..5052, 5284..5406, 7469..7573, 7473..7583, 7620..7766, 7625..7672, 7784..7834, 7785..7892, 7902..8006, 8115..8231, 11066..11170, 11195..11350, 11396..11431		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1
Gene No.	47337	Strand	-
Start	2069	End	11443
Name	OJ990715_06.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	1955	End	8228
GI	none	Score	48
Exons	1955..1999, 1988..2257, 2023..2262, 2210..2353, 2260..2361, 2261..2374, 2269..2376, 4987..5019, 5020..5055, 5052..5165, 5058..5168, 5074..5169, 5175..5291, 5176..5403, 5248..5391, 5306..5401, 7833..7931, 7898..8005, 7899..8006, 8006..8110, 8007..8111, 8118..8228		

Seq. No.	22769	Seq. ID	OJ990715_06.9A01.C1

Gene No.	47337	Strand	-
Start	2069	End	11443
Name	OJ990715_06.9A01.C1.o2.gp	Method	AAT/GAP
Start	2069	End	2446
GI	3107320	Score	715
Exons	2069..2446		
GI Descrip.	2696225/dbj|BAA23808| 7.0e-32 (D55710) chitinase [Oryza sativa]		

Seq. No.	22770	Seq. ID	OJ990715_06.9A01.C2
Gene No.	47338	Strand	+
Start	369	End	1144
Name	OJ990715_06.9A01.C2.o1.gs	Method	GENSCAN
Start	369	End	1144
GI	none	Score	.48
Exons	369..487, 1039..1144		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47339	Strand	+
Start	1026	End	1988
Name	OJ990715_06.9A01.C3.o1.gs	Method	GENSCAN
Start	1026	End	1988
GI	none	Score	.81
Exons	1026..1376, 1430..1607, 1891..1988		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47340	Strand	+
Start	4191	End	4385
Name	OJ990715_06.9A01.C3.o1.gp	Method	AAT/GAP
Start	4191	End	4385
GI	24989_1.R1084	Score	304
Exons	4191..4385		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47341	Strand	+
Start	4758	End	5603
Name	OJ990715_06.9A01.C3.o1.np	Method	AAT/NAP
Start	4746	End	5603
GI	2696225	Score	847
Exons	4746..5603		
GI Descrip.	(D55710) chitinase [Oryza sativa]		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47341	Strand	+
Start	4758	End	5603
Name	OJ990715_06.9A01.C3.o2.gp	Method	AAT/GAP
Start	4747	End	5131
GI	122_1.R1084	Score	761
Exons	4747..5131		
GI Descrip.	'4884522/dbj|BAA77779.1| 2.0e-55 (AB027426) class III chitinase homologue (OsChib3H-g) [Oryza sativa]'		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47341	Strand	+
Start	4758	End	5603
Name	OJ990715_06.9A01.C3.o3.gs	Method	GENSCAN

Start	4758	End	5600
GI	none	Score	.51
Exons	4758..5600		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47342	Strand	+
Start	10621	End	11535
Name	OJ990715_06.9A01.C3.o2.np	Method	AAT/NAP
Start	10621	End	11532
GI	2696229	Score	1651
Exons	10621..11532		
GI Descrip.	(D55712) chitinase [Oryza sativa] gi|4884494|dbj|BAA77768.1| (AB027415) class III chitinase homologue (OsChib3H-a)H- [Oryza sativa] gi|4884496|dbj|BAA77769.1| (AB027416) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi|4884498|dbj|BAA77770.1| (AB027417) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi|4884506|dbj|BAA77771.1| (AB027418) class III ch		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47342	Strand	+
Start	10621	End	11535
Name	OJ990715_06.9A01.C3.o6.gs	Method	GENSCAN
Start	10621	End	11535
GI	none	Score	.96
Exons	10621..11535		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47343	Strand	+
Start	31473	End	37069
Name	OJ990715_06.9A01.C3.o14.gs	Method	GENSCAN
Start	31473	End	37069
GI	none	Score	.62
Exons	31473..31614, 33257..34286, 35920..36011, 36966..37069		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47344	Strand	+
Start	37998	End	42633
Name	OJ990715_06.9A01.C3.o6.np	Method	AAT/NAP
Start	37995	End	42633
GI	3549691	Score	126
Exons	37995..38126, 38165..38282, 40113..40378, 42613..42633		
GI Descrip.	(AJ010501) thaumatin-like protein PR-5b [Cicer arietinum]		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47344	Strand	+
Start	37998	End	42633
Name	OJ990715_06.9A01.C3.o15.gs	Method	GENSCAN
Start	37998	End	38636
GI	none	Score	1
Exons	37998..38636		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47344	Strand	+
Start	37998	End	42633
Name	OJ990715_06.9A01.C3.o16.gs	Method	GENSCAN
Start	39858	End	40478

GI	none	Score	.53
Exons	39858..40478		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47344	Strand	+
Start	37998	End	42633
Name	OJ990715_06.9A01.C3.o6.gp	Method	AAT/GAP
Start	40307	End	40660
GI	5039059	Score	617
Exons	40307..40660		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47344	Strand	+
Start	37998	End	42633
Name	OJ990715_06.9A01.C3.o17.gs	Method	GENSCAN
Start	40803	End	42440
GI	none	Score	.5
Exons	40803..41303, 41898..42440		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47344	Strand	+
Start	37998	End	42633
Name	OJ990715_06.9A01.C3.o7.np	Method	AAT/NAP
Start	42270	End	42413
GI	6587837	Score	124
Exons	42270..42413		
GI Descrip.	(AC006551) Similar to zinc finger protein [Arabidopsis thaliana]		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47345	Strand	+
Start	46563	End	49087
Name	OJ990715_06.9A01.C3.o19.gs	Method	GENSCAN
Start	46563	End	49087
GI	none	Score	.53
Exons	46563..46607, 46850..46927, 47642..47768, 48855..49087		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47346	Strand	+
Start	49684	End	50198
Name	OJ990715_06.9A01.C3.o8.gp	Method	AAT/GAP
Start	49684	End	50198
GI	none	Score	981
Exons	49684..50198		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47347	Strand	+
Start	50225	End	58408
Name	OJ990715_06.9A01.C3.o9.np	Method	AAT/NAP
Start	50225	End	58408
GI	4874273	Score	136
Exons	50225..50288, 57994..58065, 58221..58408		
GI Descrip.	(AC007354) Similar to gi|3128199 F4I1.5 putative proteinase from Arabidopsis thaliana BAC gb|AC004521.		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47348	Strand	-
Start	3298	End	4603

Name	OJ990715_06.9A01.C3.o2.gs	Method	GENSCAN
Start	3298	End	4603
GI	none	Score	.87
Exons	3298..3669, 4387..4438, 4551..4603		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47349	Strand	-
Start	6256	End	7203
Name	OJ990715_06.9A01.C3.o3.gp	Method	AAT/GAP
Start	6051	End	6758
GI	none	Score	1340
Exons	6051..6758		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47349	Strand	-
Start	6256	End	7203
Name	OJ990715_06.9A01.C3.o4.gs	Method	GENSCAN
Start	6256	End	7203
GI	none	Score	.72
Exons	6256..6310, 6347..6476, 6604..6854, 7157..7203		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47350	Strand	-
Start	9323	End	10165
Name	OJ990715_06.9A01.C3.o5.gs	Method	GENSCAN
Start	9323	End	10165
GI	none	Score	.57
Exons	9323..9334, 10094..10165		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47351	Strand	-
Start	10529	End	11765
Name	OJ990715_06.9A01.C3.o4.gp	Method	AAT/GAP
Start	10529	End	11765
GI	111_1.R1084	Score	2429
Exons	10529..11765		
GI Descrip.	'2696229/dbj|BAA23810| 0.0e+00 (D55712) chitinase [Oryza sativa] >gi_4884494_dbj_BAA77768.1_ (AB027415) class III chitinase homologue (OsChib3H-a)H- [Oryza sativa] >gi_4884496_dbj_BAA77769.1_ (AB027416) class III chitinase homologue (OsChib3H-a) [Oryza sativa] >gi_4884498_dbj_BAA77770.1_ (AB027417) class III chitinase homologue (OsChib3H-a) [Oryza sativa] >gi_4884506_dbj_BAA77771.1_ (A'		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47352	Strand	-
Start	12831	End	16630
Name	OJ990715_06.9A01.C3.o7.gs	Method	GENSCAN
Start	12831	End	13835
GI	none	Score	.52
Exons	12831..13835		

Seq. No.	22771	Seq. ID	OJ990715_06.9A01.C3
Gene No.	47352	Strand	-
Start	12831	End	16630
Name	OJ990715_06.9A01.C3.o3.np	Method	AAT/NAP